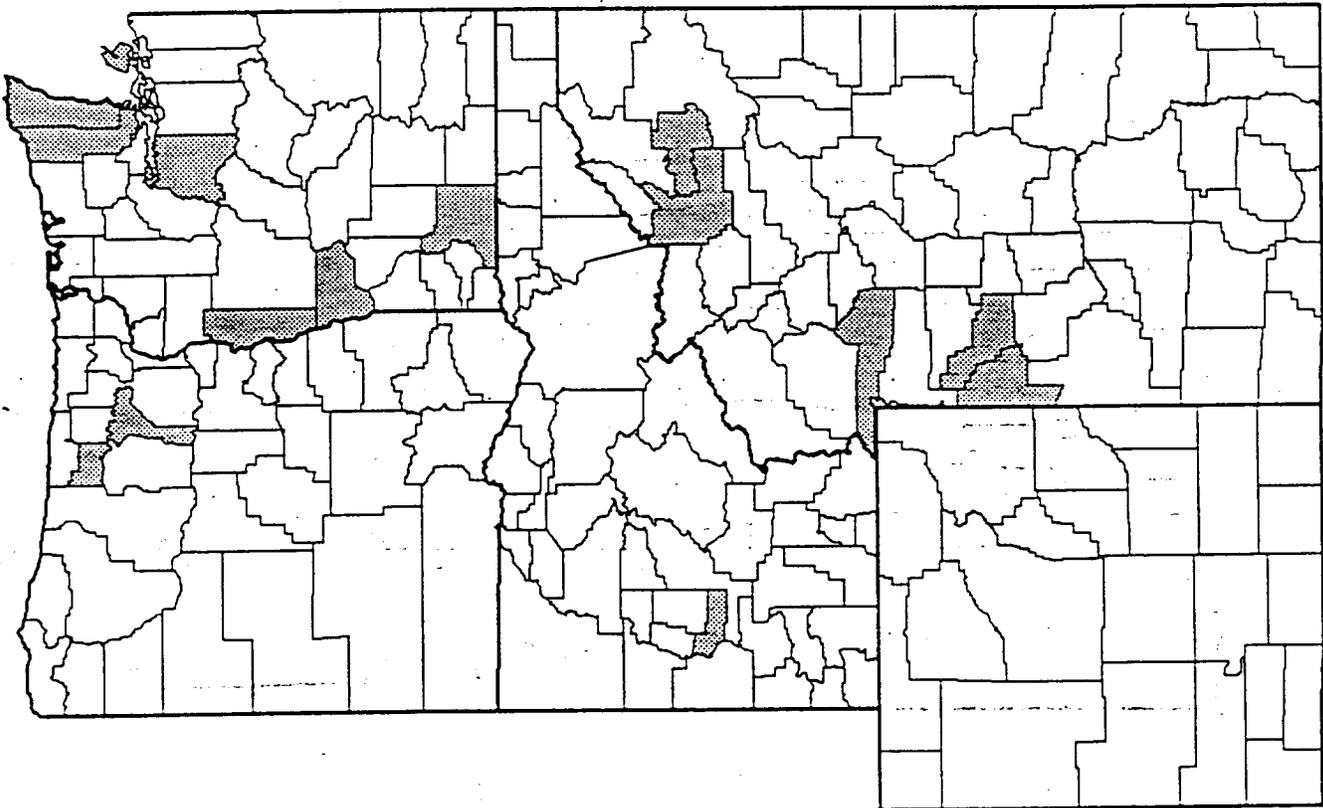
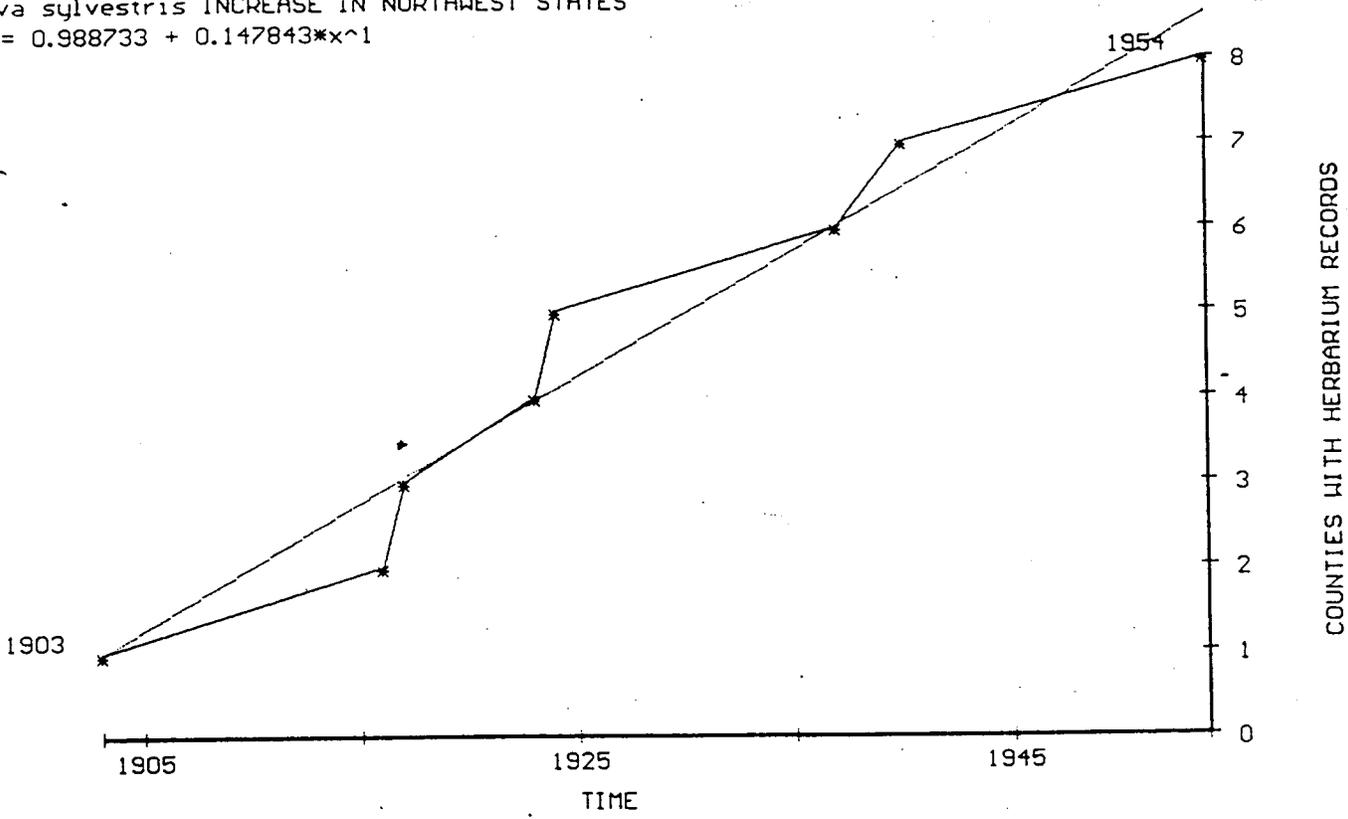


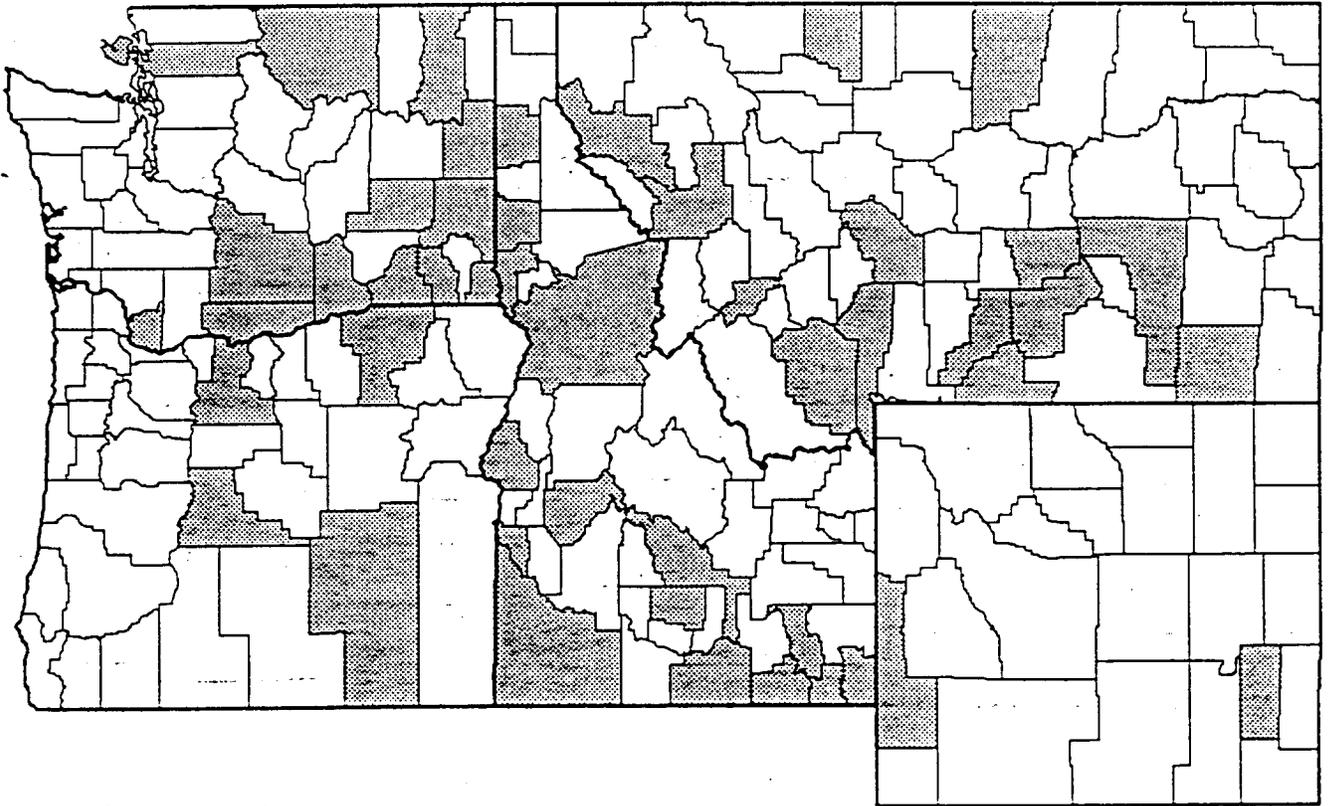
Counties reporting the exotic *Malva sylvestris* (high mallou), 1875-1993.



*Malva sylvestris* INCREASE IN NORTHWEST STATES  
 $y = 0.988733 + 0.147843 * x^1$

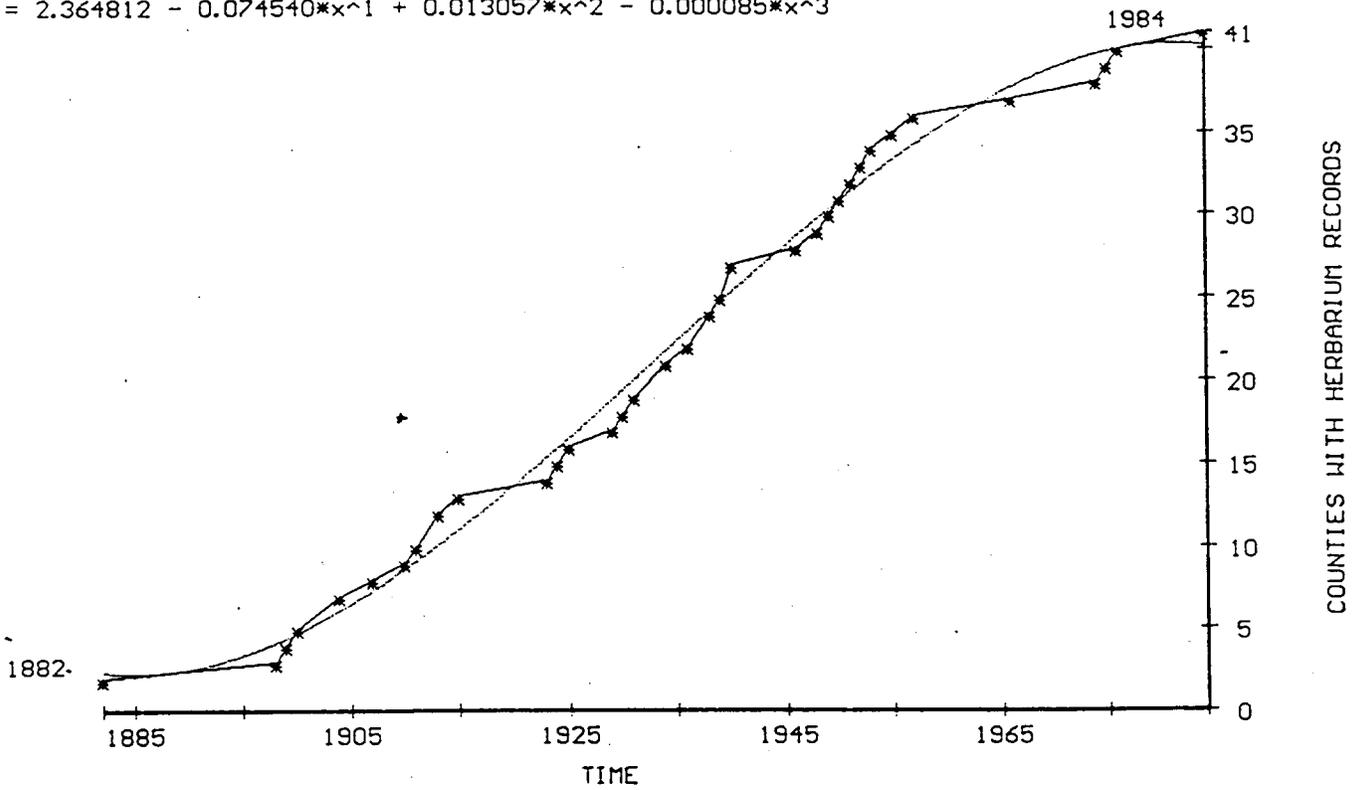


Counties reporting the exotic *Marrubium vulgare* (white horehound), 1875-1991.

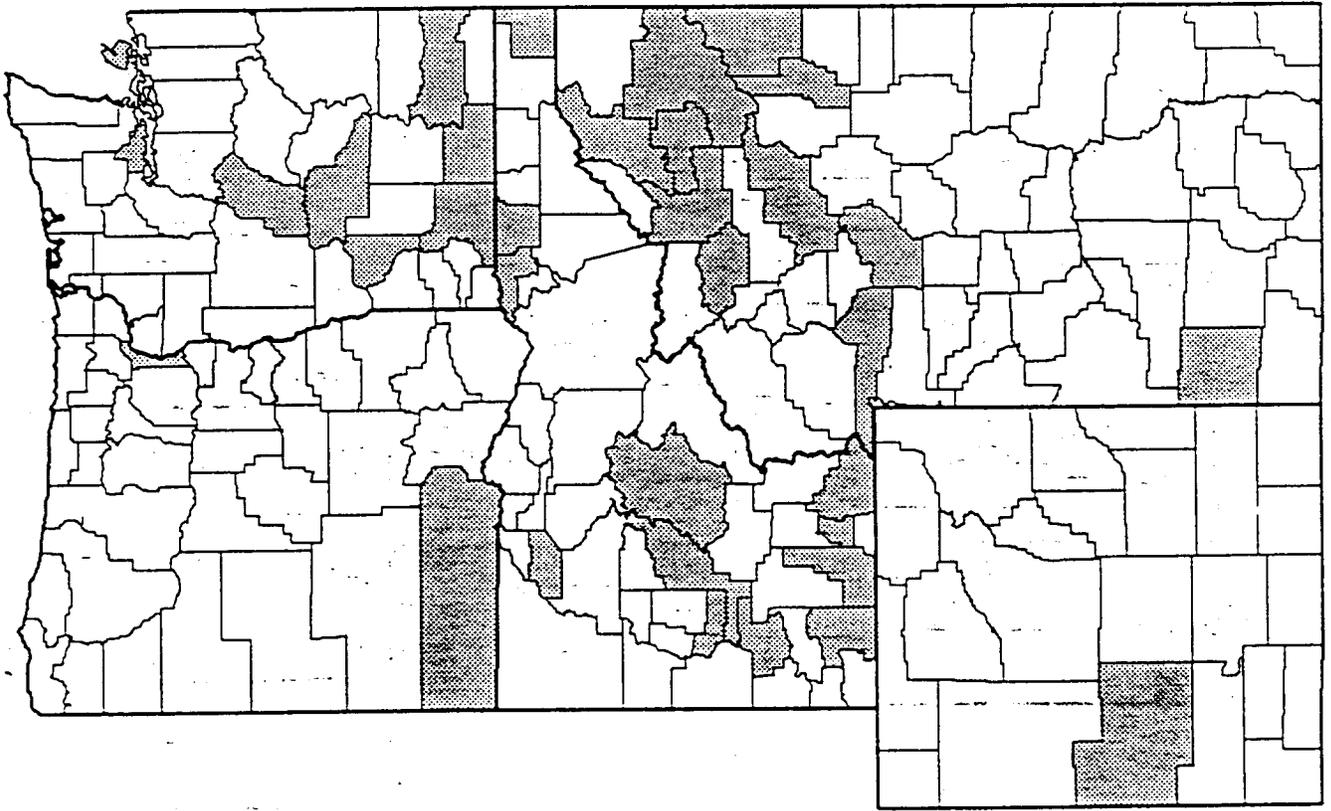


*Marrubium vulgare* INCREASE IN NORTHWEST STATES

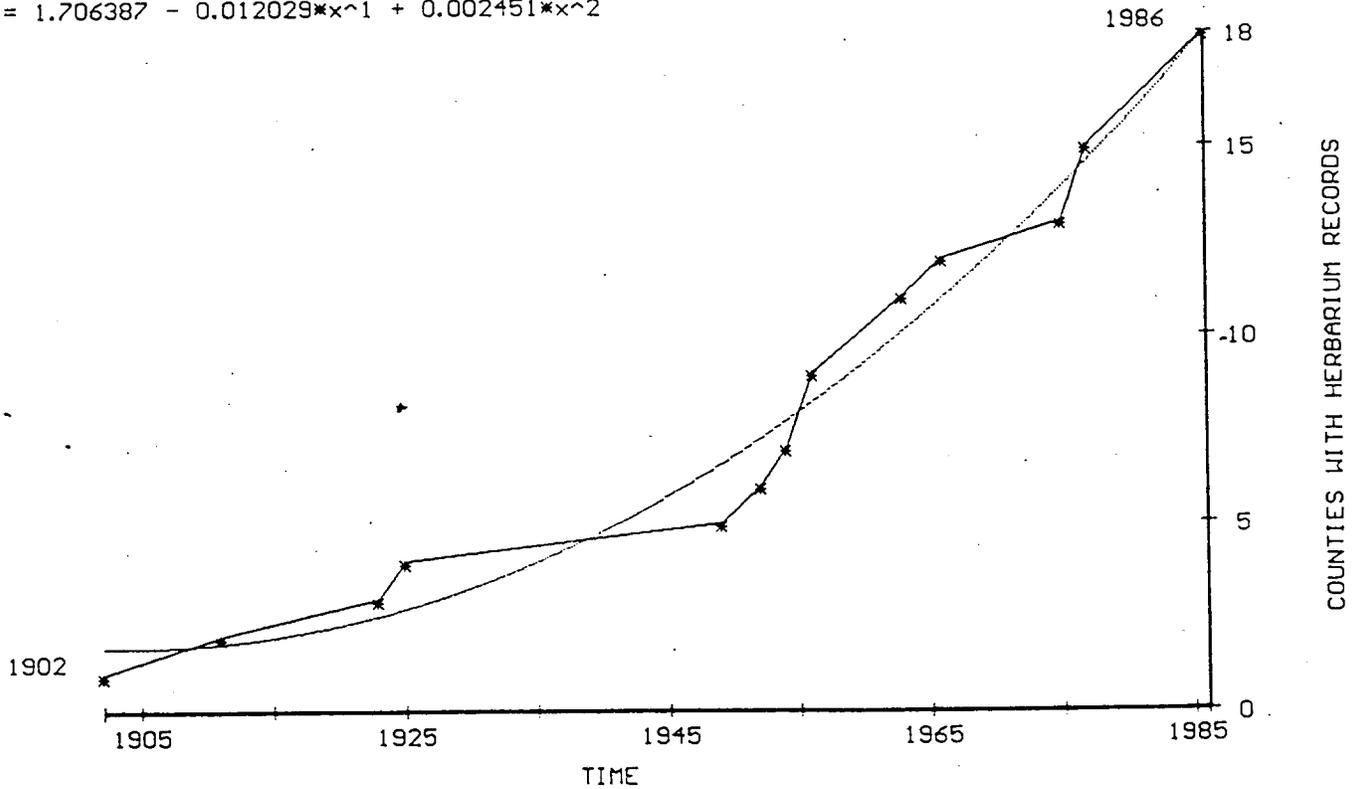
$$y = 2.364812 - 0.074540 * x^1 + 0.013057 * x^2 - 0.000085 * x^3$$



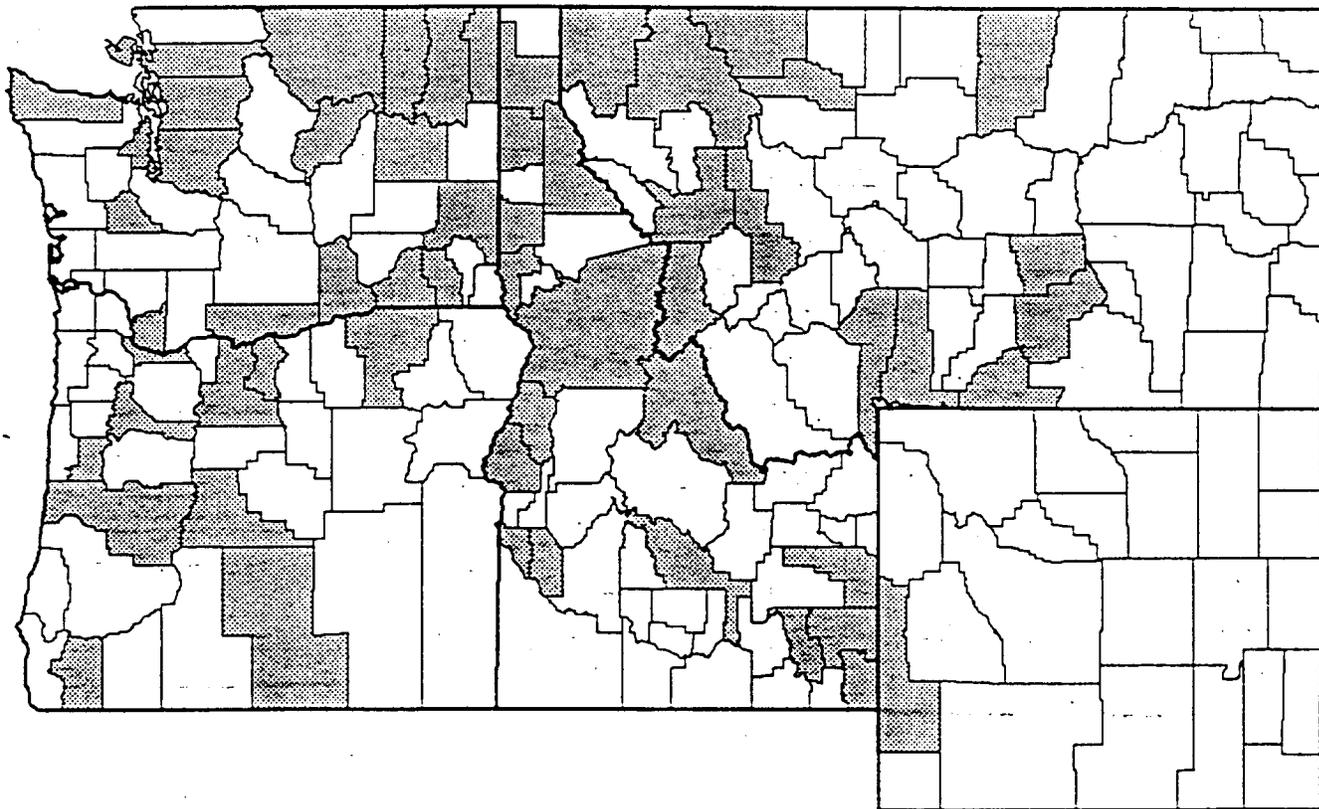
Counties reporting the exotic *Matricaria maritima* (false chamomile), 1875-1994.



*Matricaria maritima* INCREASE IN NORTHWEST STATES  
 $y = 1.706387 - 0.012029 * x^1 + 0.002451 * x^2$

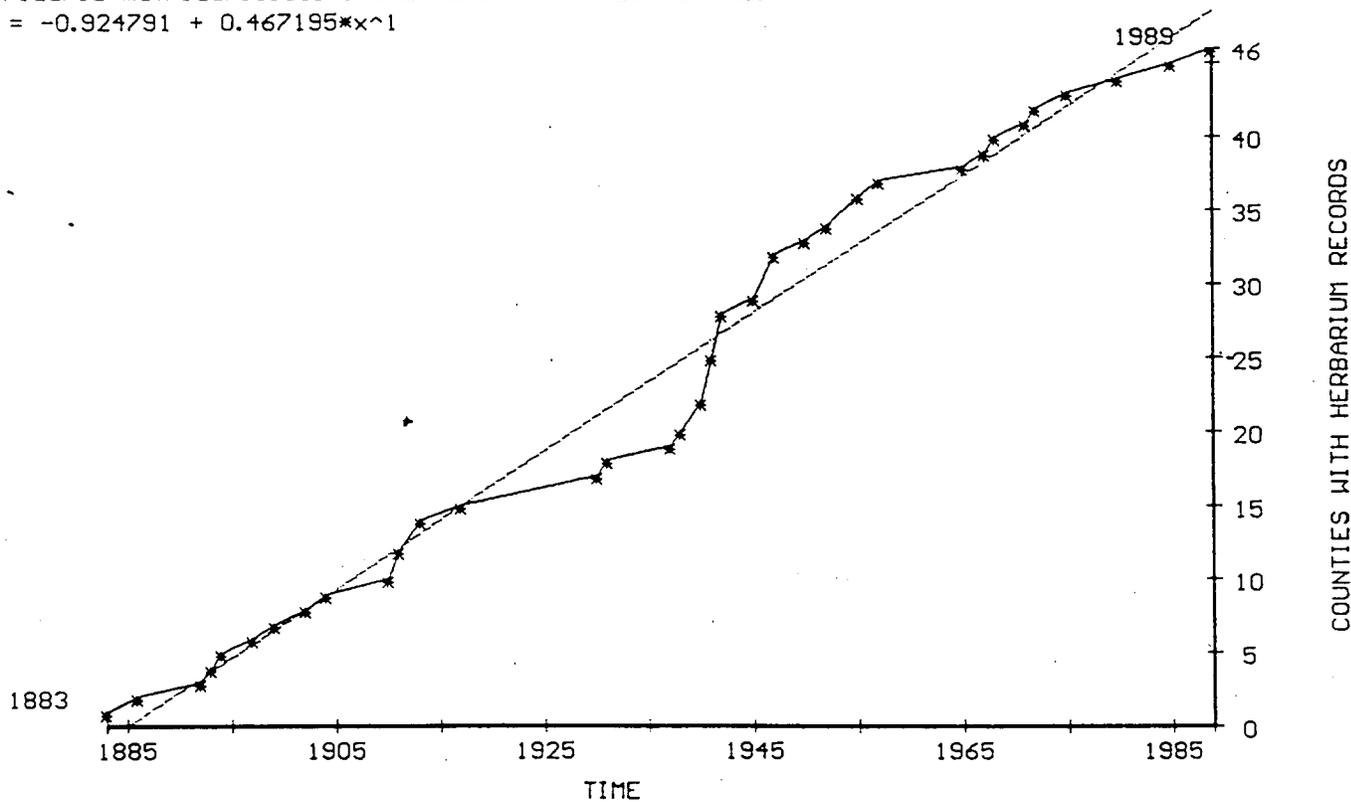


Counties reporting the exotic *Matricaria matricarioides* (pineapple weed), 1875-1992.

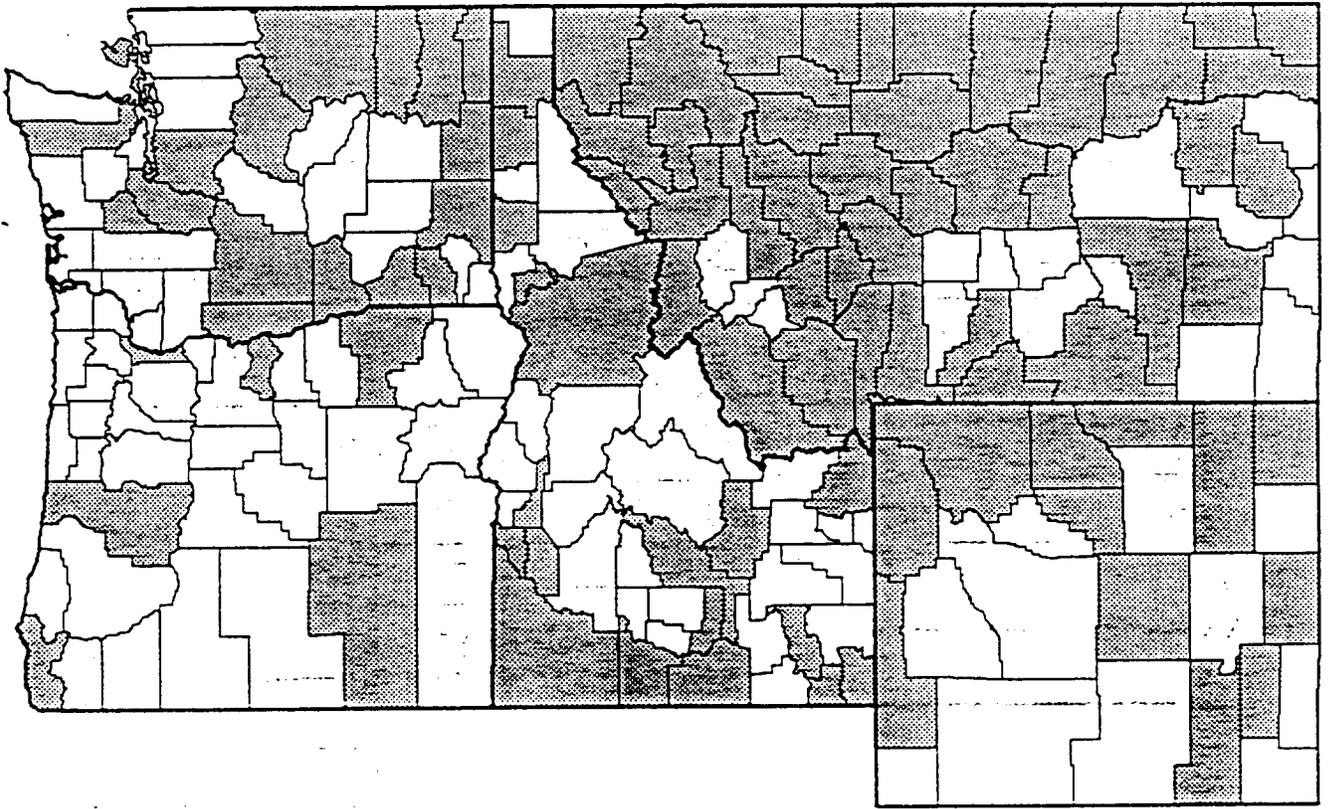


*Matricaria matricarioides* INCREASE IN NORTHWEST STATES

$$y = -0.924791 + 0.467195 * x^1$$

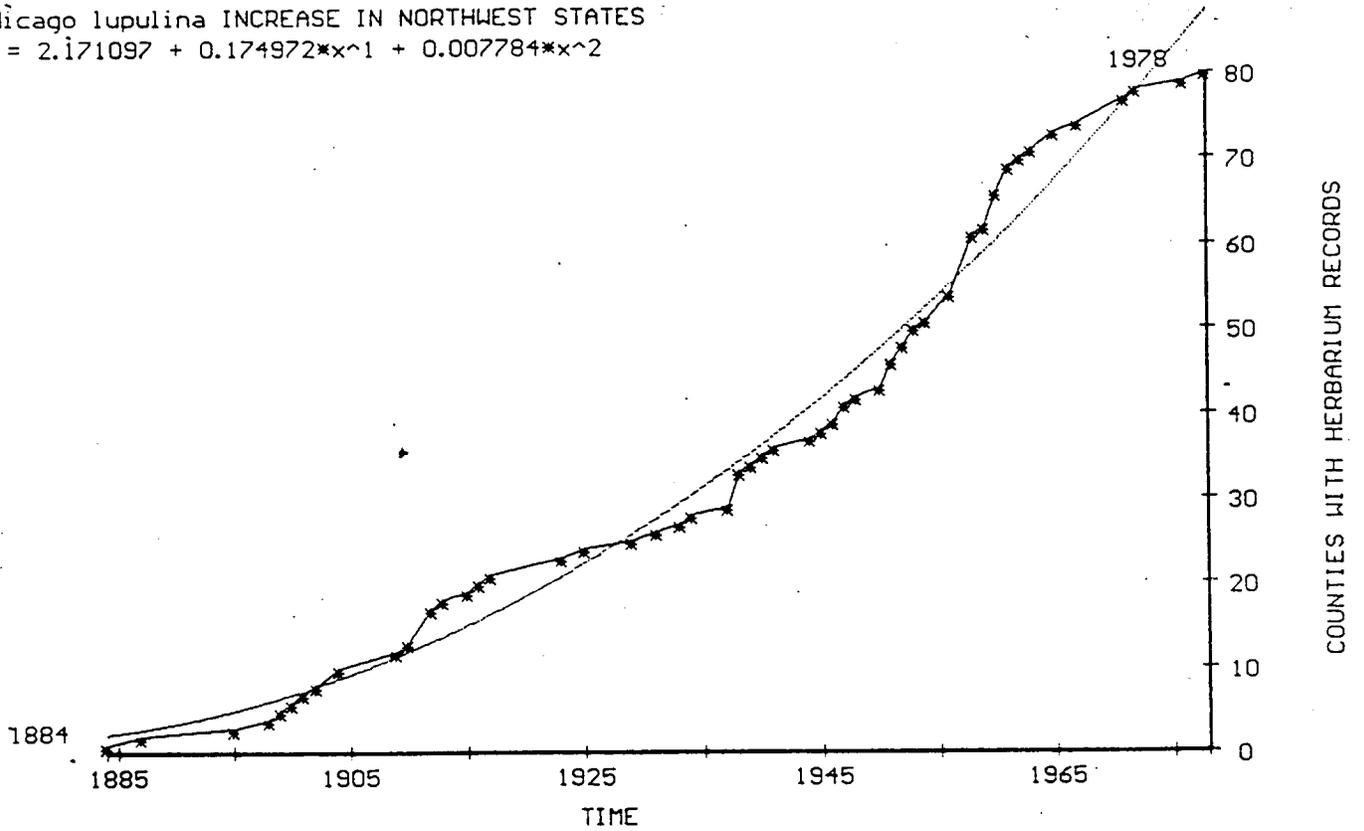


Counties reporting the exotic *Medicago lupulina* (black medic), 1875-1994.

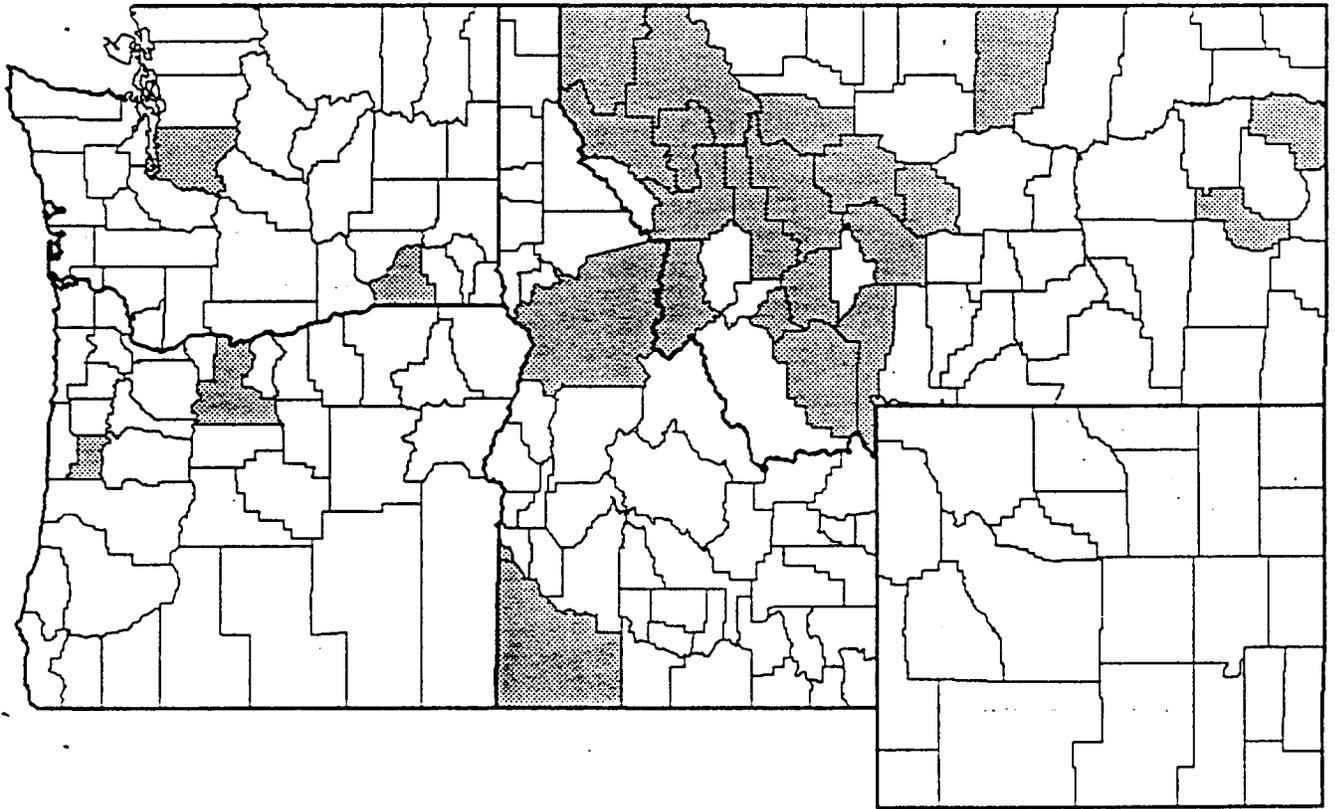


*Medicago lupulina* INCREASE IN NORTHWEST STATES

$$y = 2.171097 + 0.174972 * x^1 + 0.007784 * x^2$$

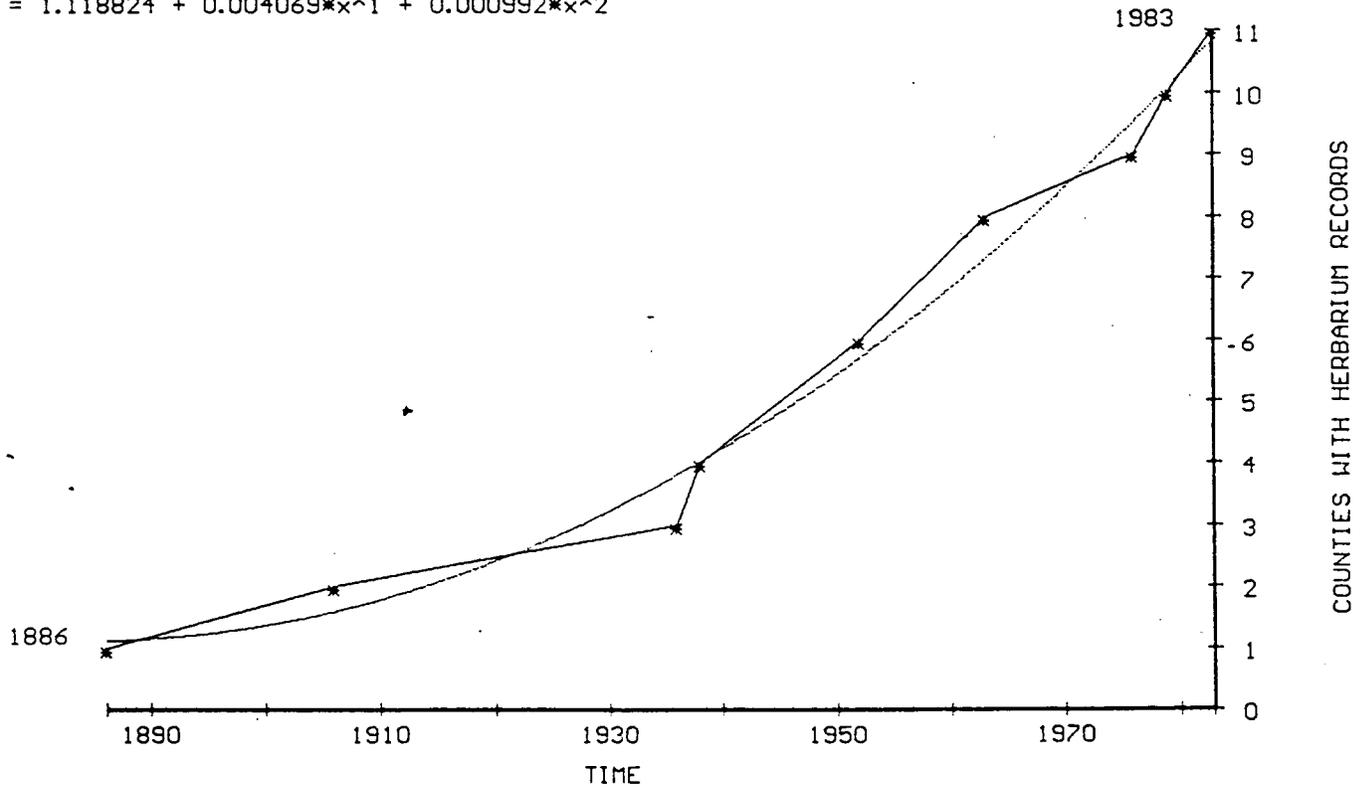


Counties reporting the exotic *Medicago sativa* (alfalfa), 1875-1992.

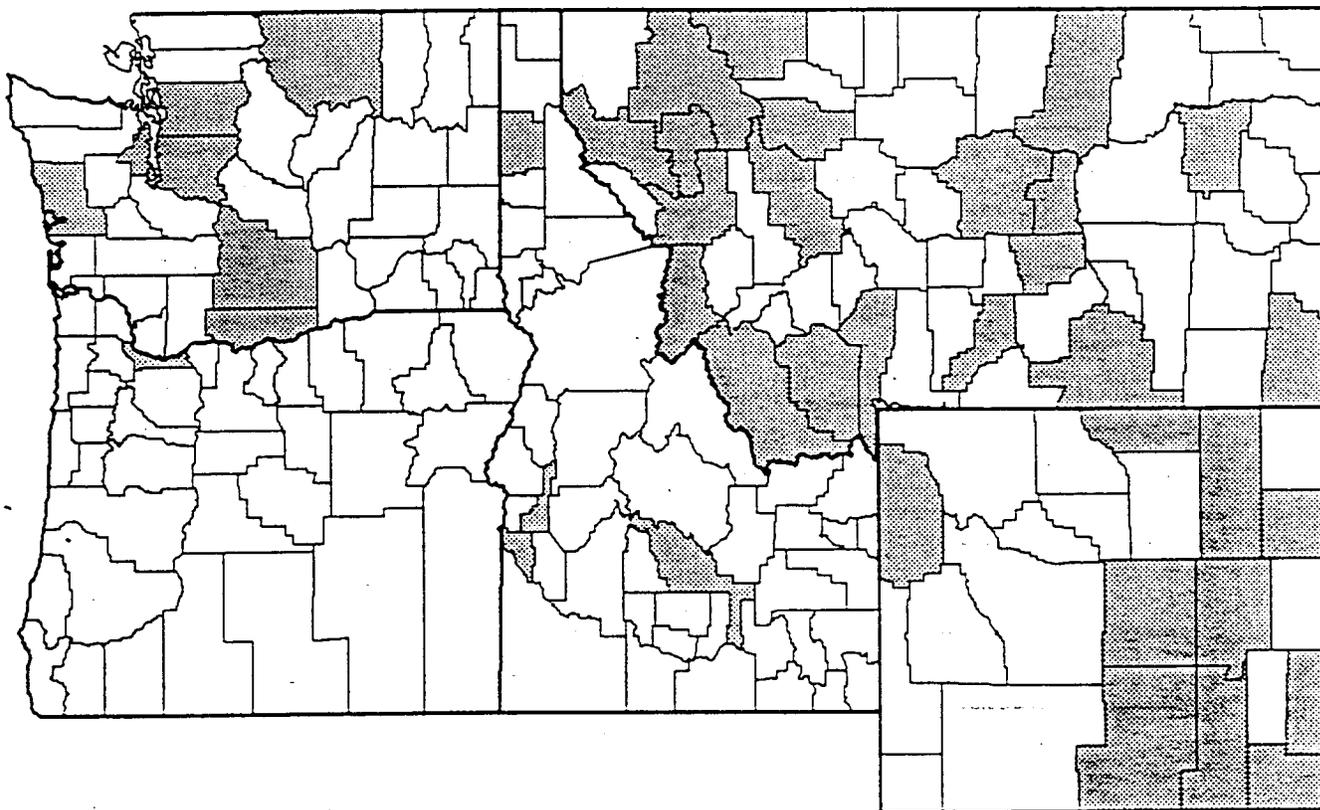


*Medicago sativa* INCREASE IN NORTHWEST STATES

$$y = 1.118824 + 0.004069 * x^1 + 0.000992 * x^2$$

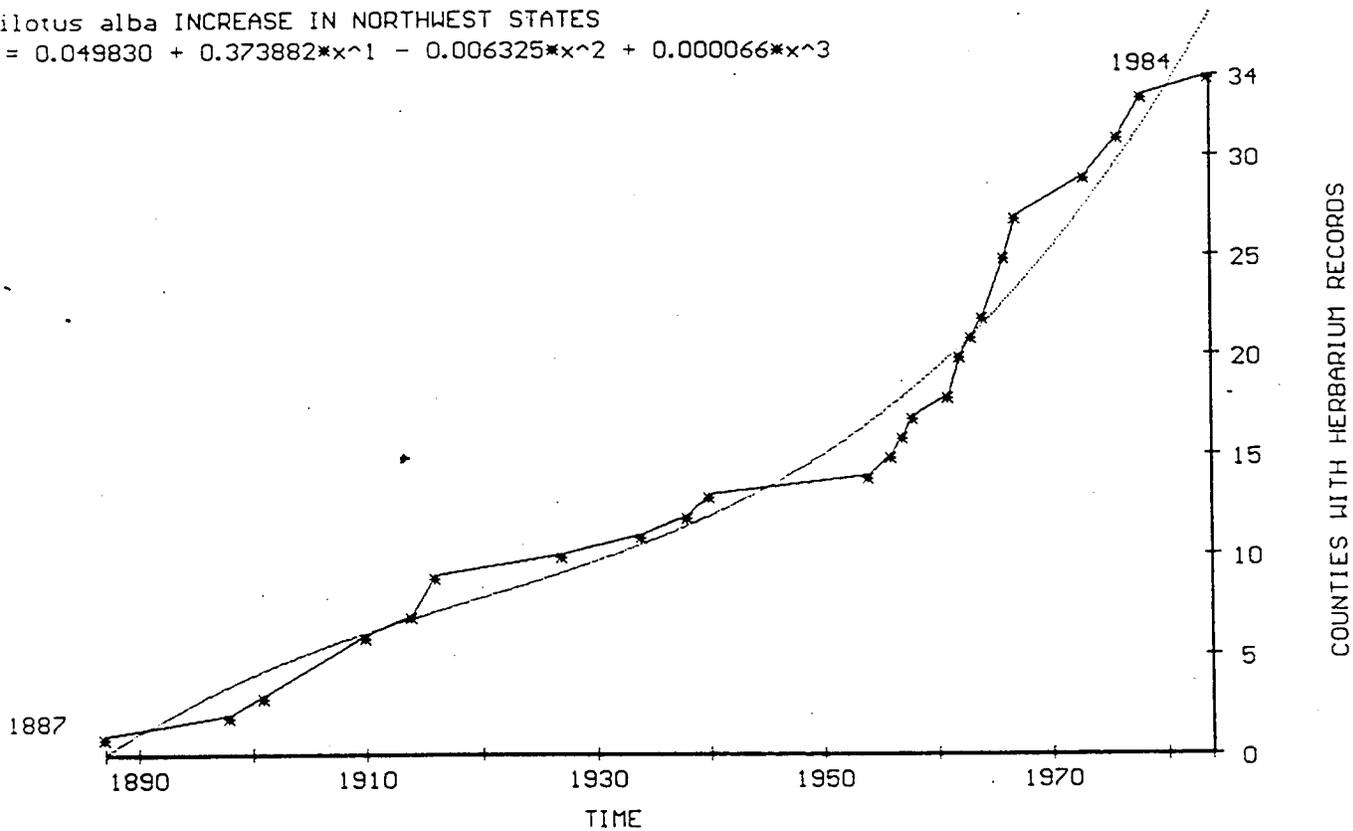


Counties reporting the exotic *Melilotus alba* (white sweetclover), 1875-1990.

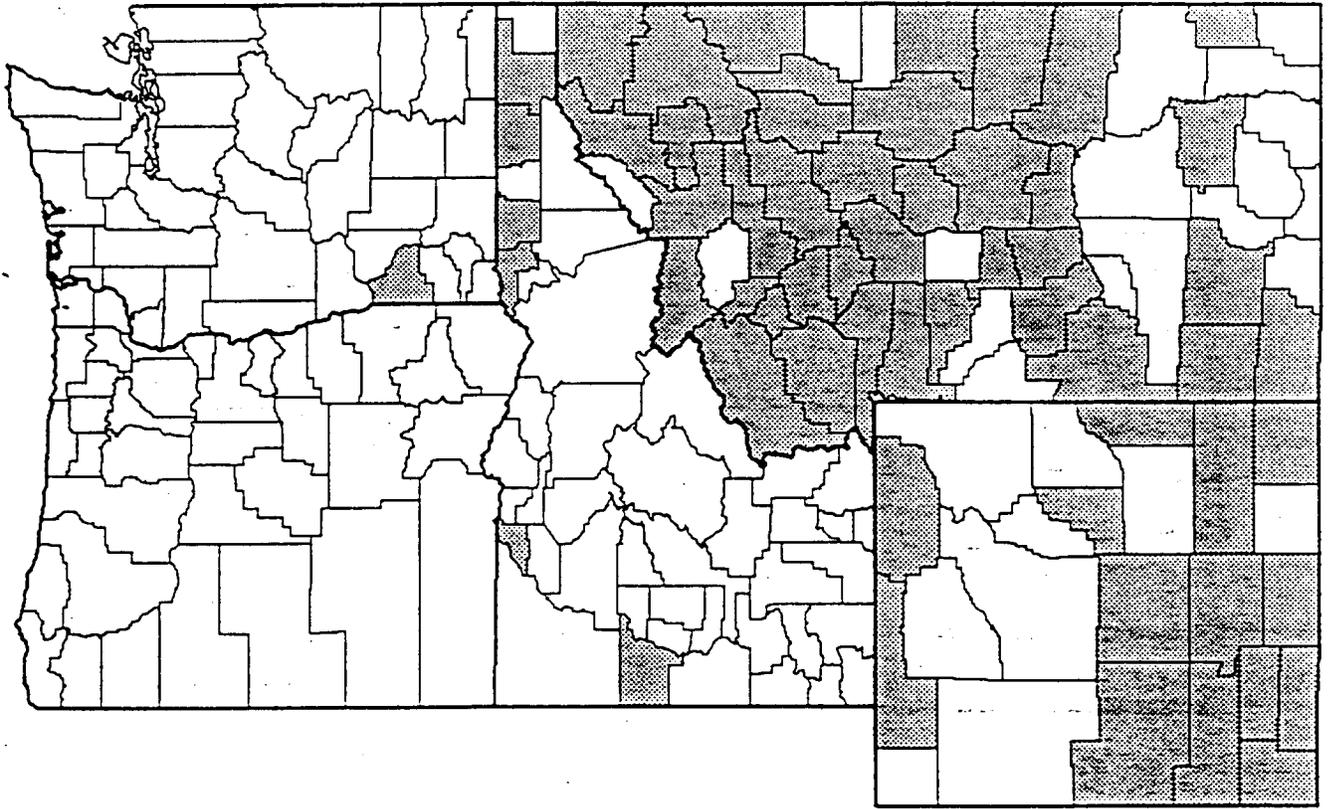


*Melilotus alba* INCREASE IN NORTHWEST STATES

$$y = 0.049830 + 0.373882 * x^1 - 0.006325 * x^2 + 0.000066 * x^3$$

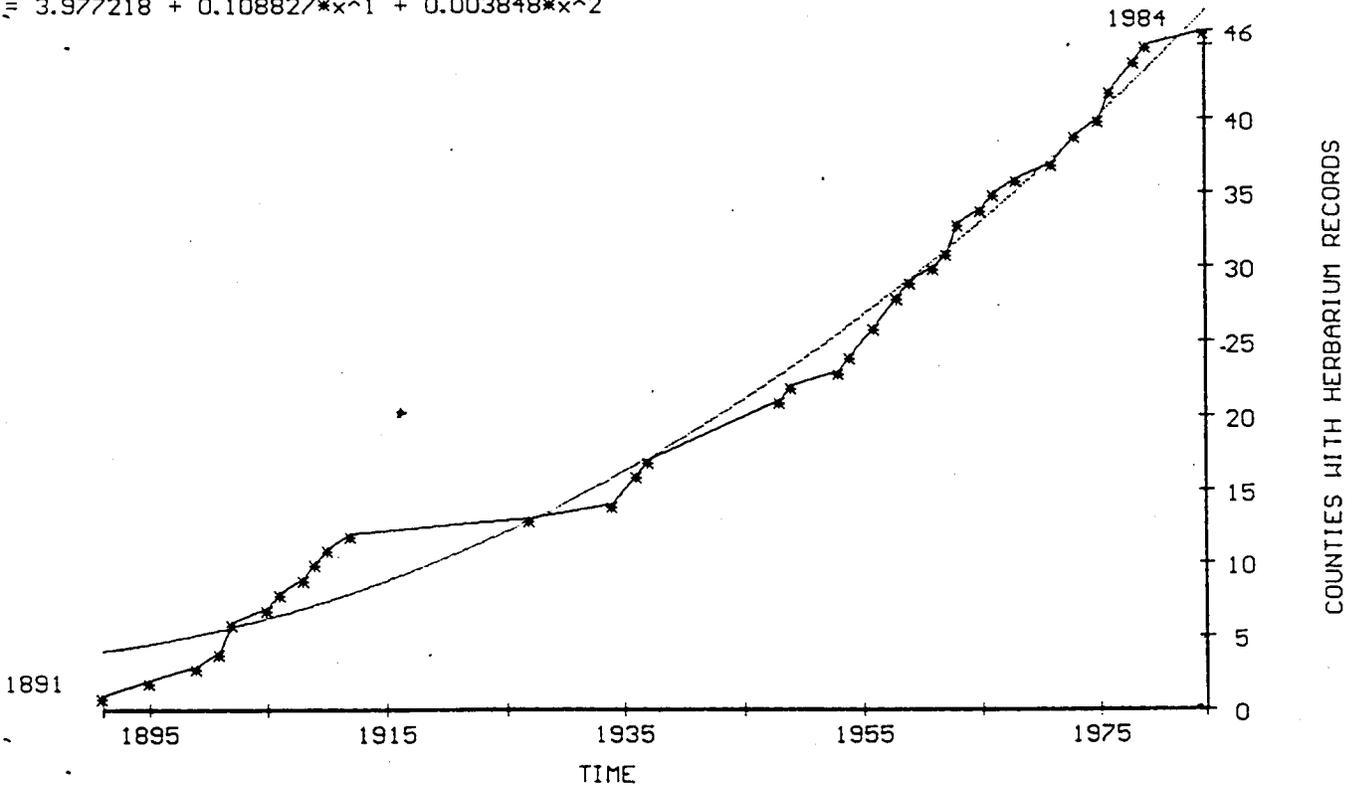


Counties reporting the exotic *Melilotus officinalis* (yellow sweetclover), 1875-1993.

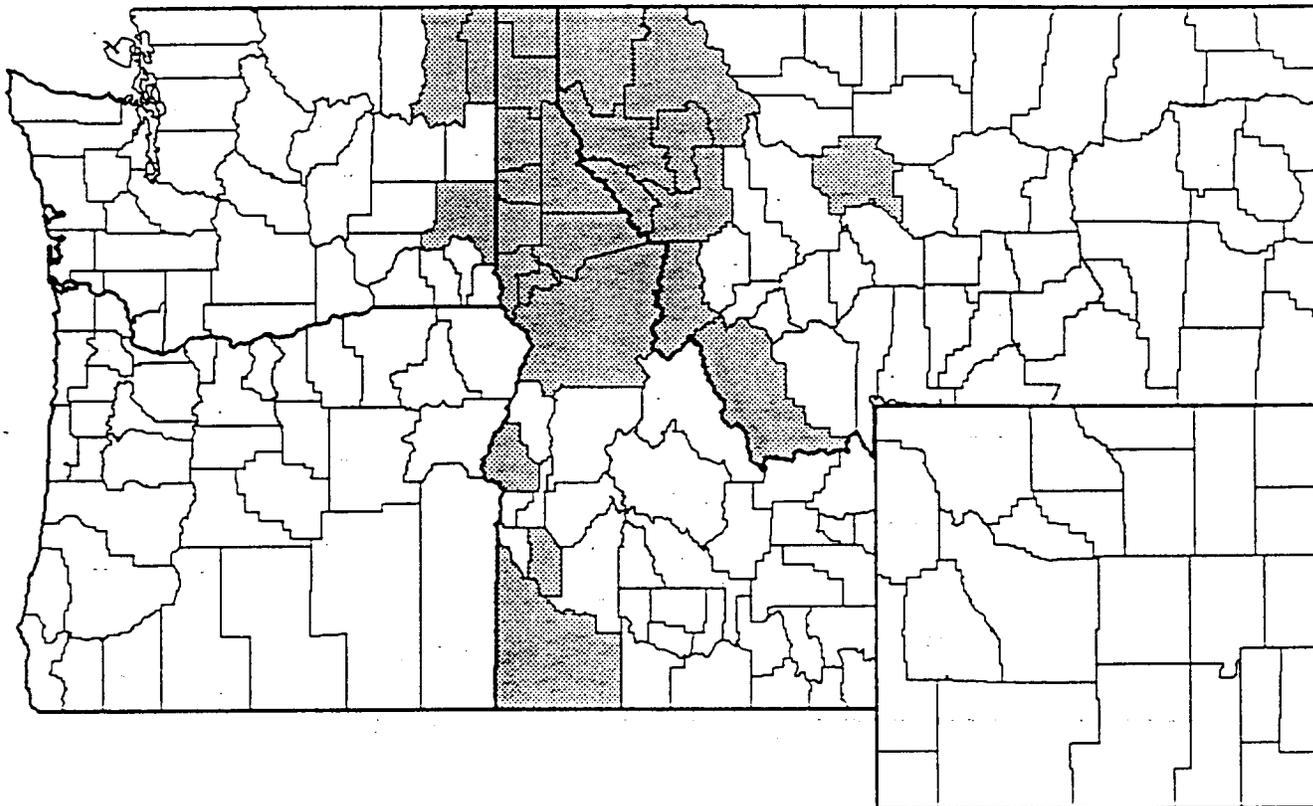


*Melilotus officinalis* INCREASE IN NORTHWEST STATES

$$y = 3.977218 + 0.108827 * x^1 + 0.003848 * x^2$$

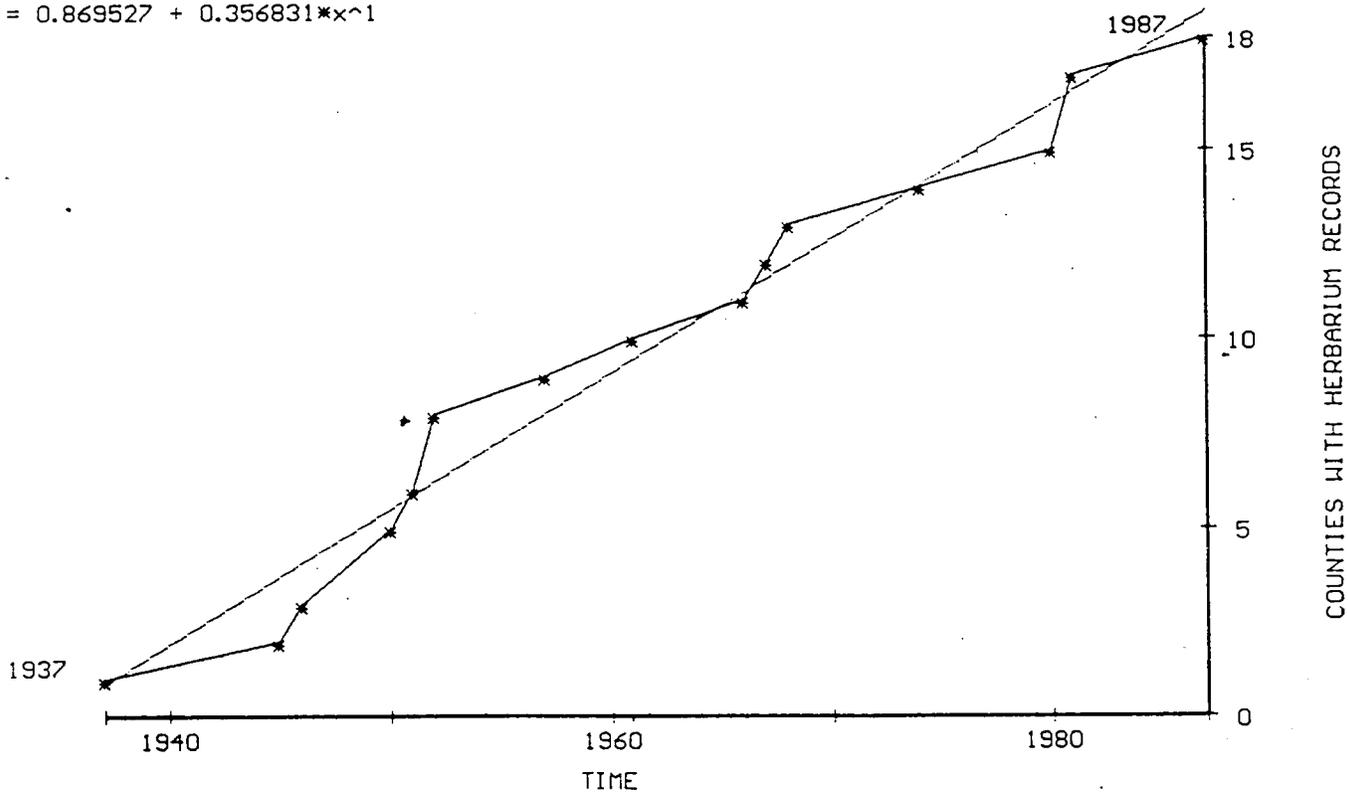


Counties reporting the exotic *Myosotis micrantha* (blue scorpion grass), 1875-1993.

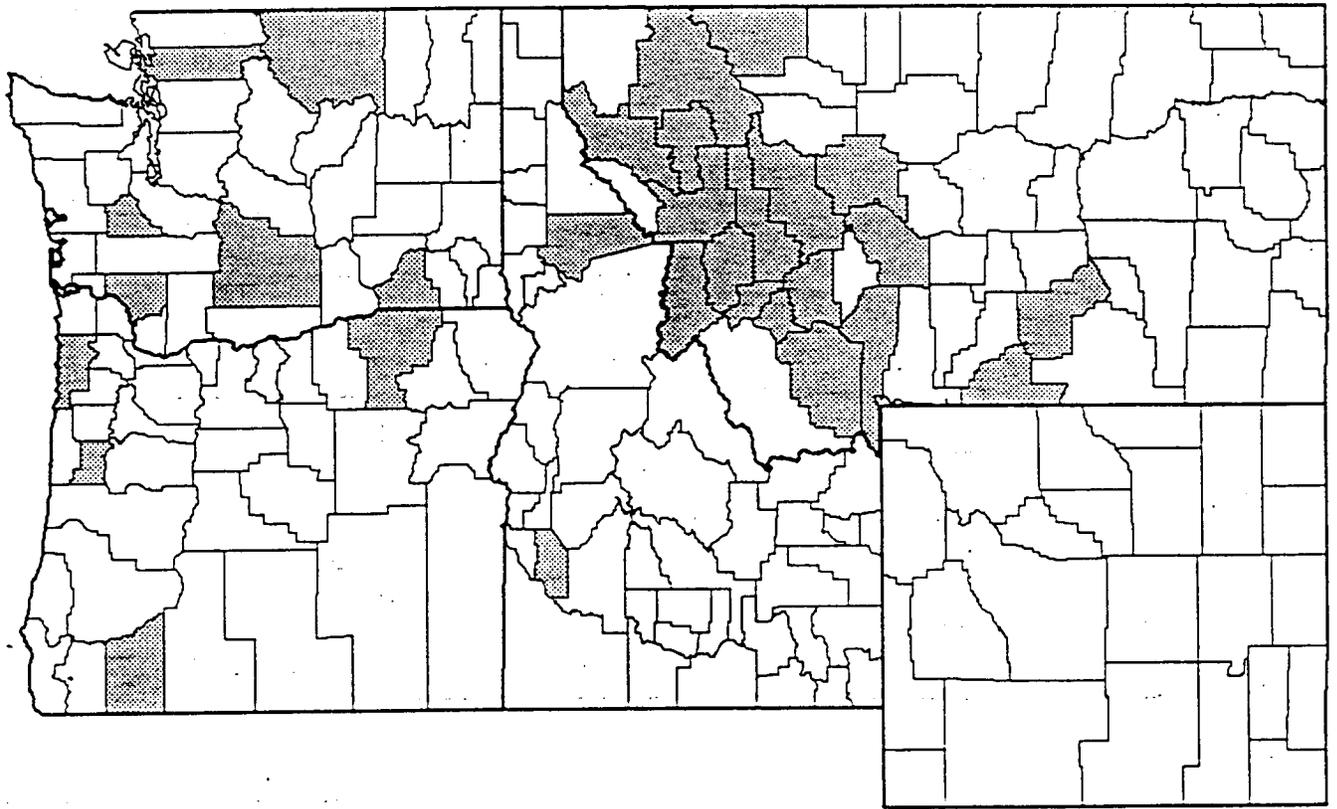


*Myosotis micrantha* INCREASE IN NORTHWEST STATES

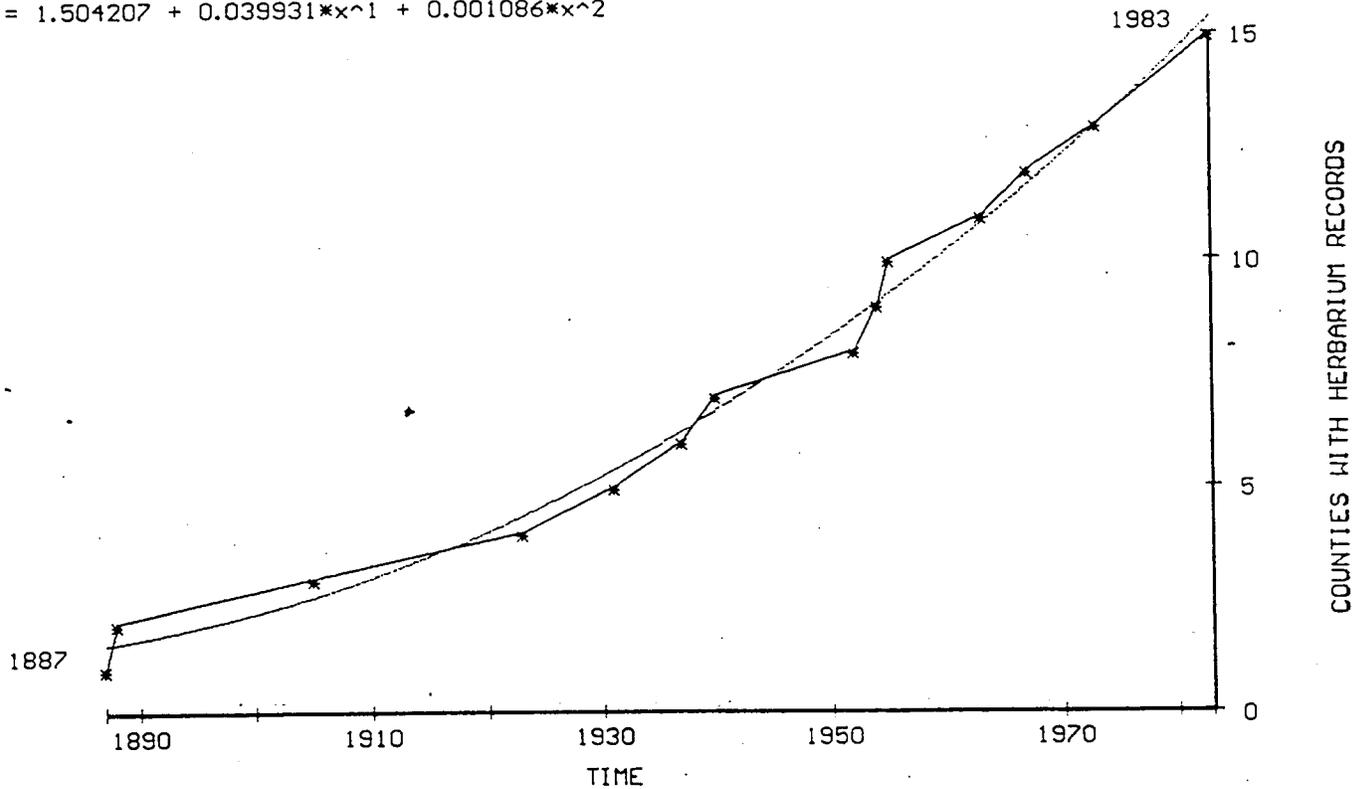
$$y = 0.869527 + 0.356831 * x^{1.1}$$



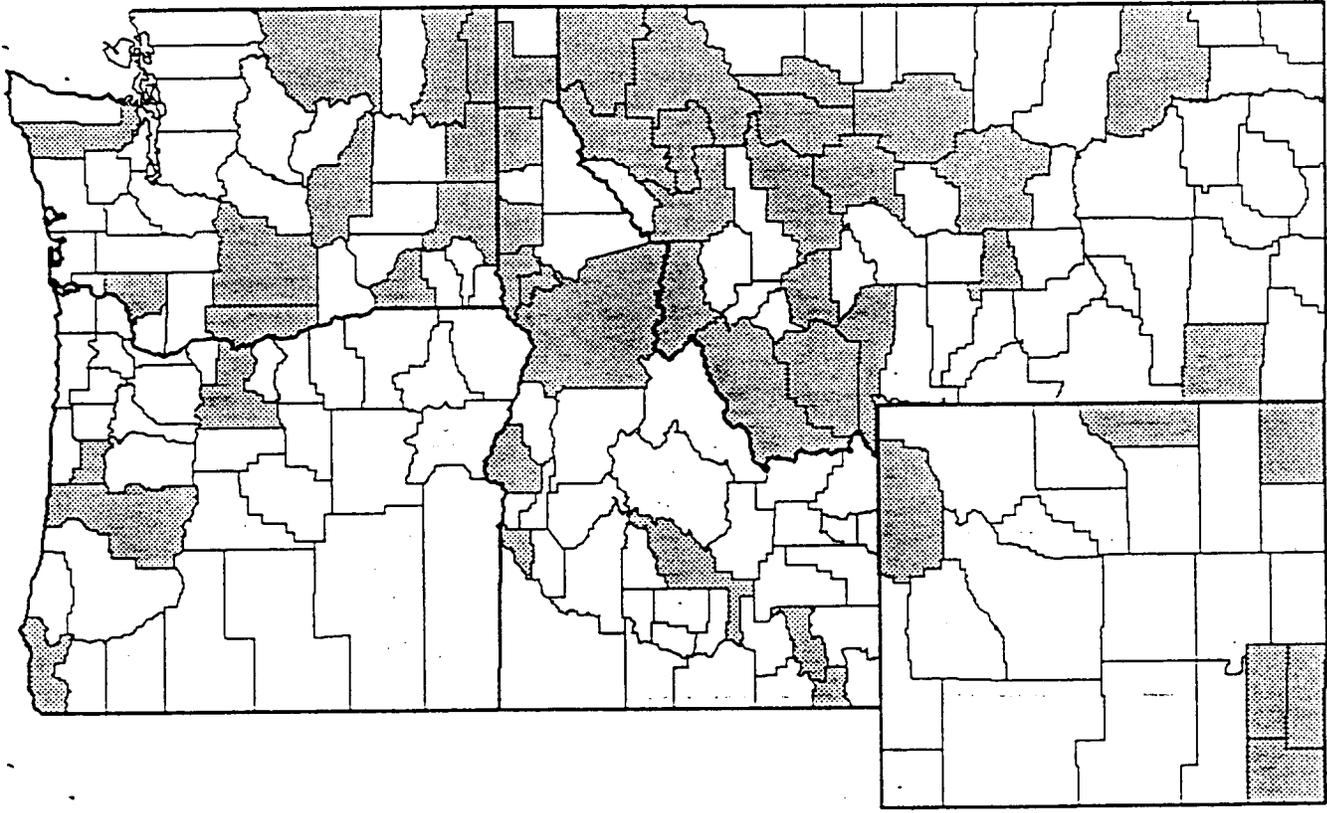
Counties reporting the exotic *Nasturtium officinale* (watercress), 1875-1992.



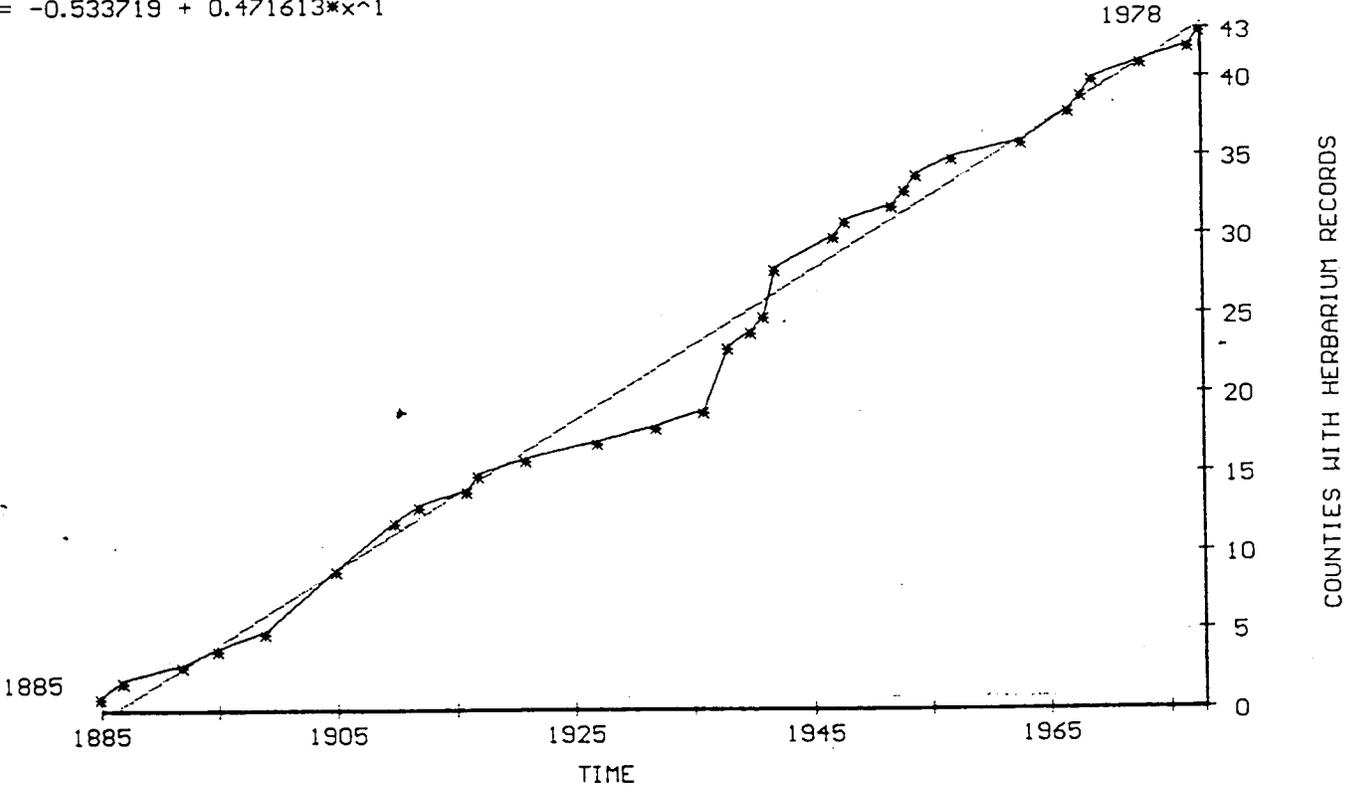
*Nasturtium officinale* INCREASE IN NORTHWEST STATES  
 $y = 1.504207 + 0.039931 * x^1 + 0.001086 * x^2$



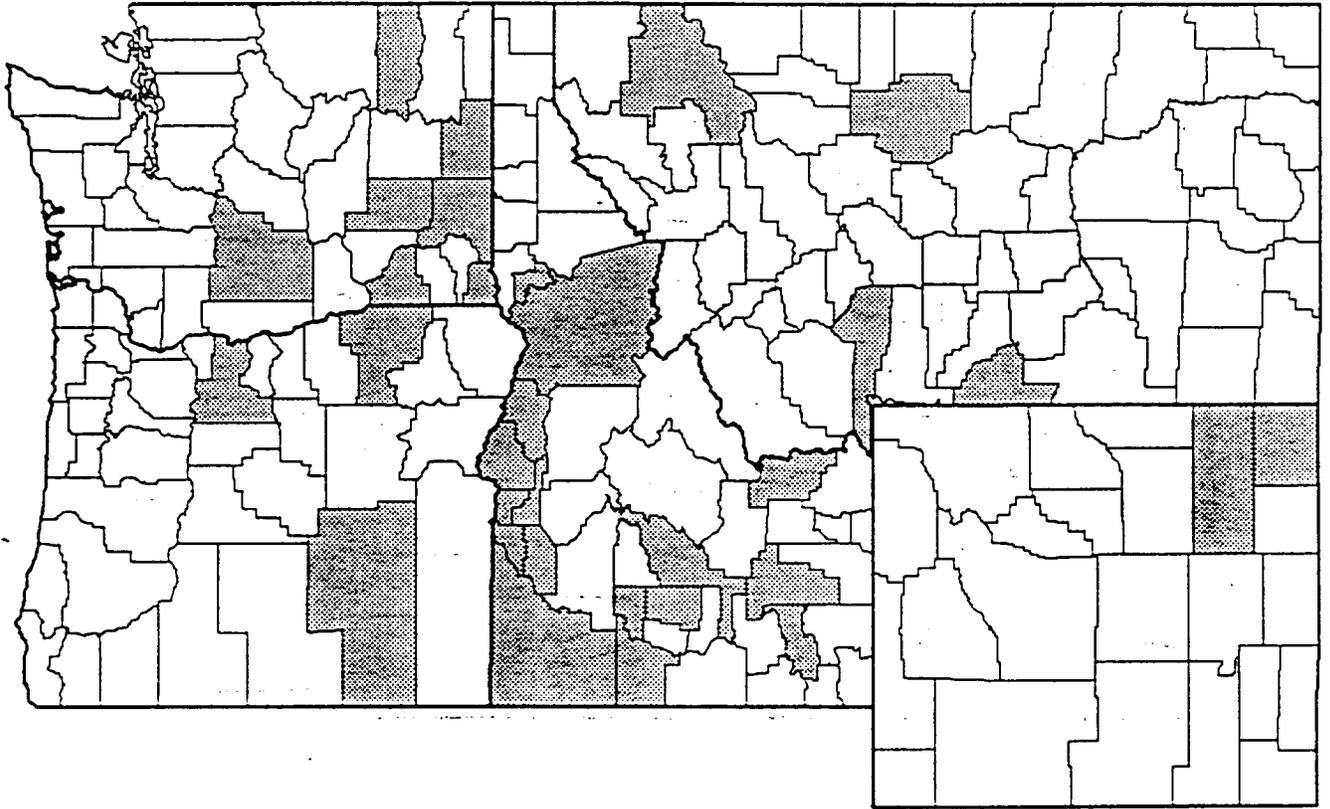
Counties reporting the exotic *Nepeta cataria* (catnip), 1875-1994.



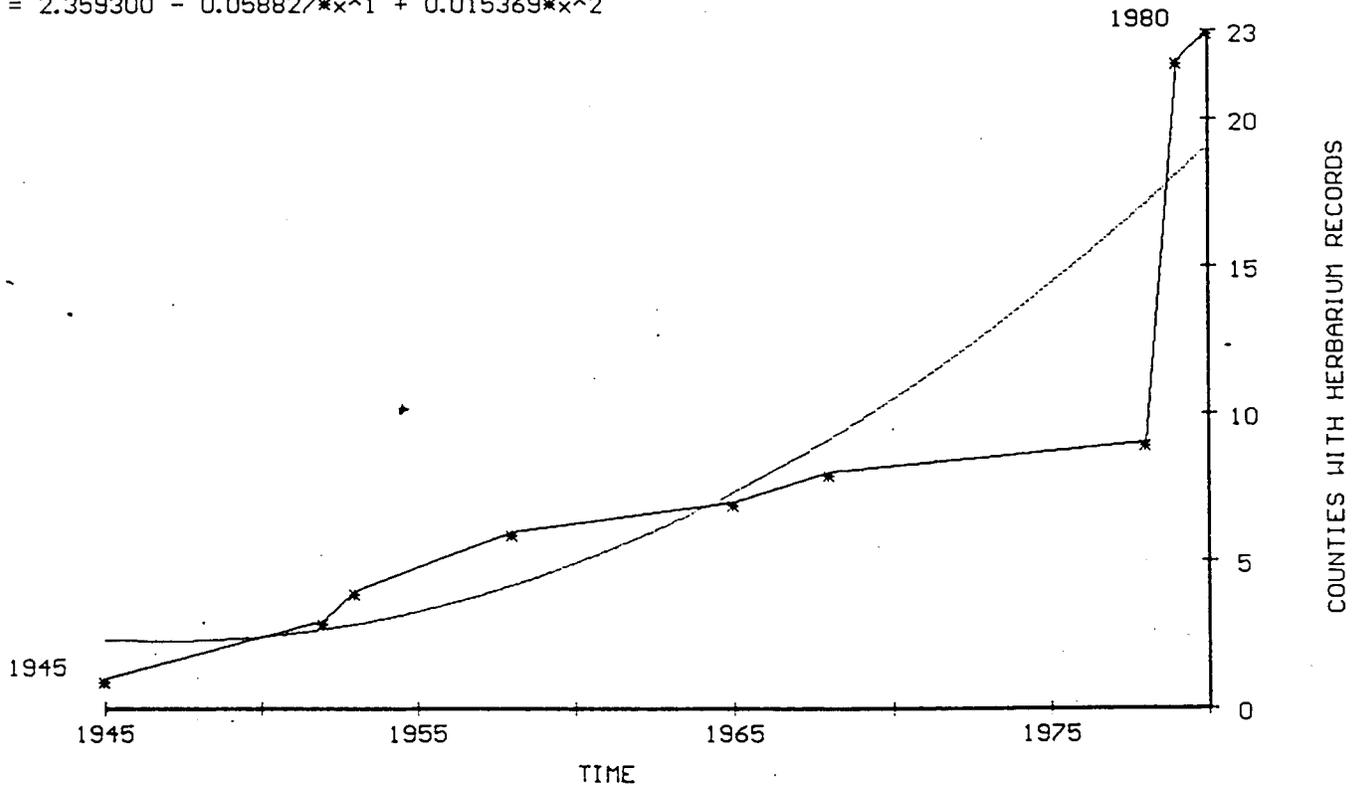
*Nepeta cataria* INCREASE IN NORTHWEST STATES  
 $y = -0.533719 + 0.471613 * x^1$



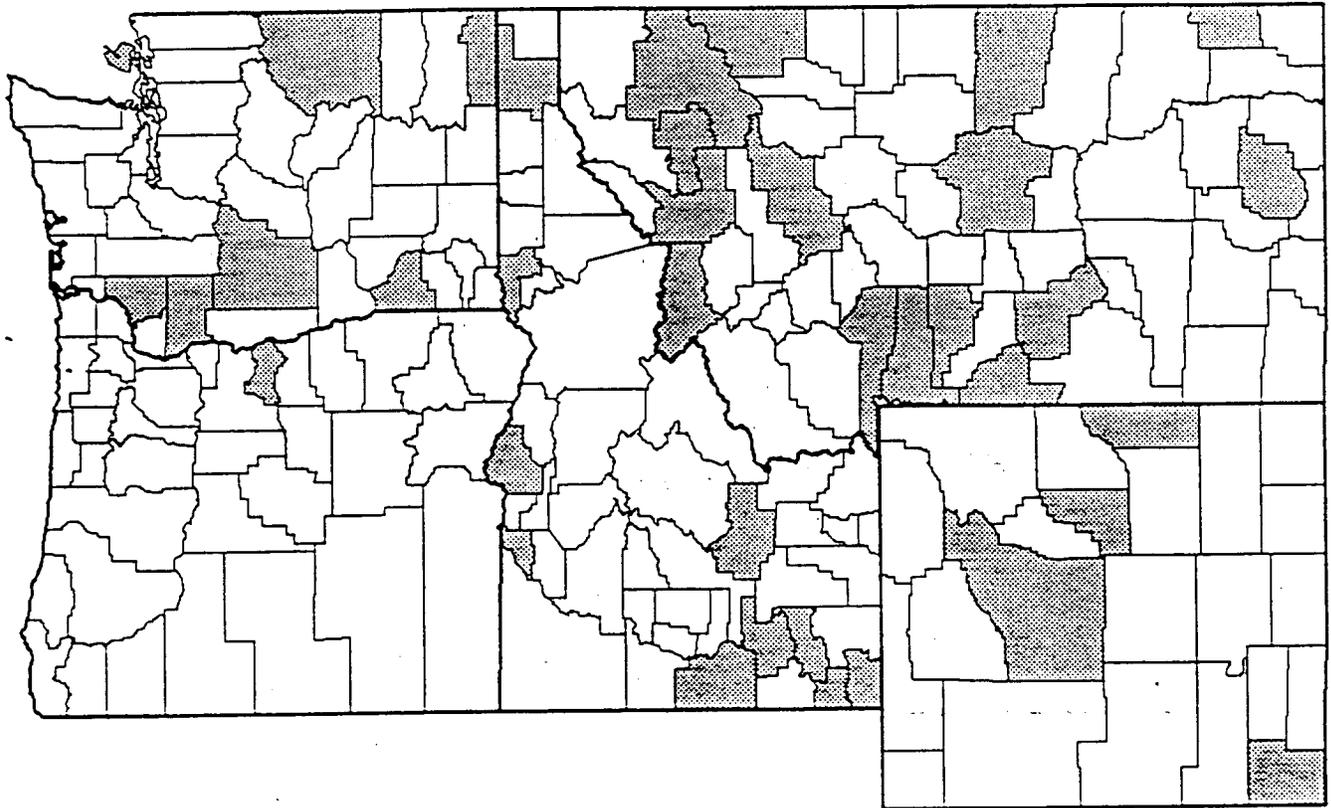
Counties reporting the exotic *Onopordum acanthium* (Scotch thistle), 1875-1993.



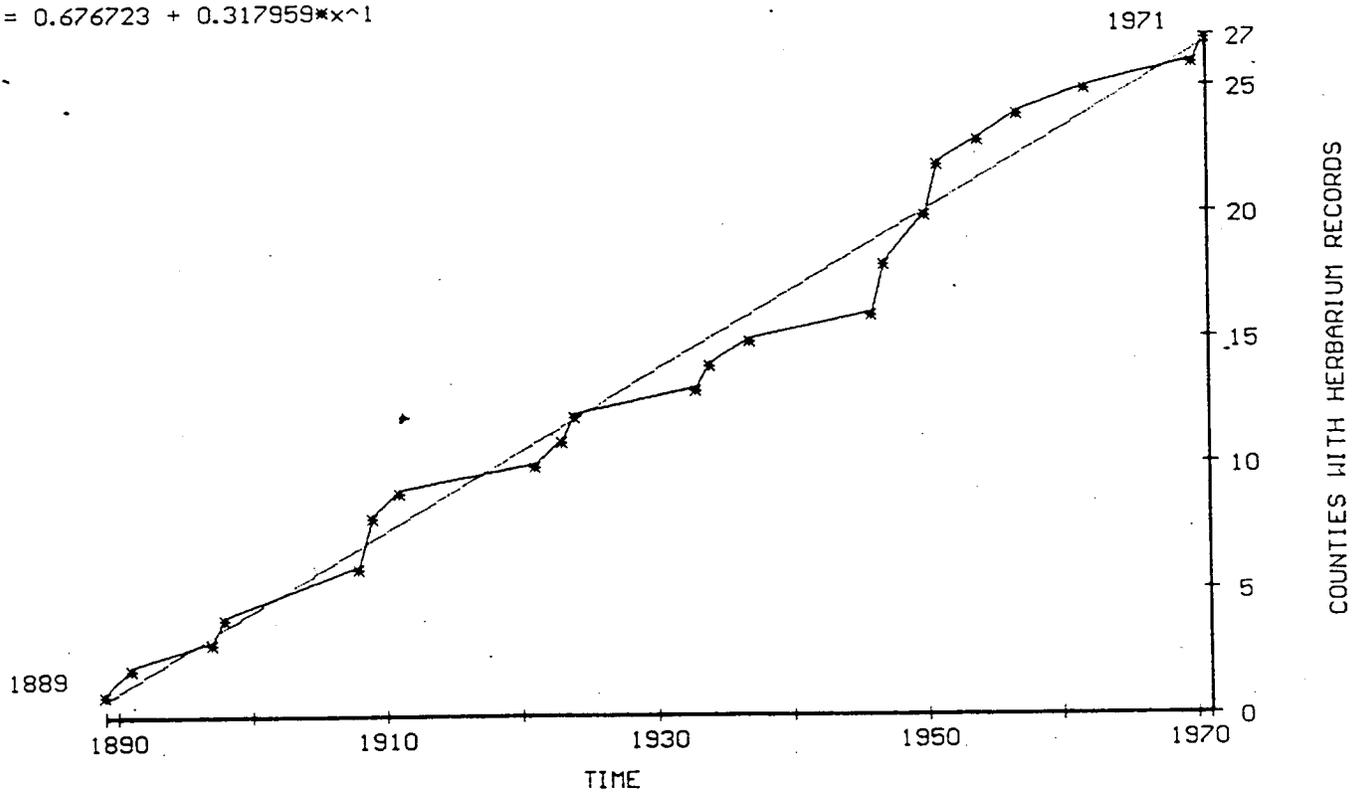
*Onopordum acanthium* INCREASE IN NORTHWEST STATES  
 $y = 2.359300 - 0.058827 * x^1 + 0.015369 * x^2$



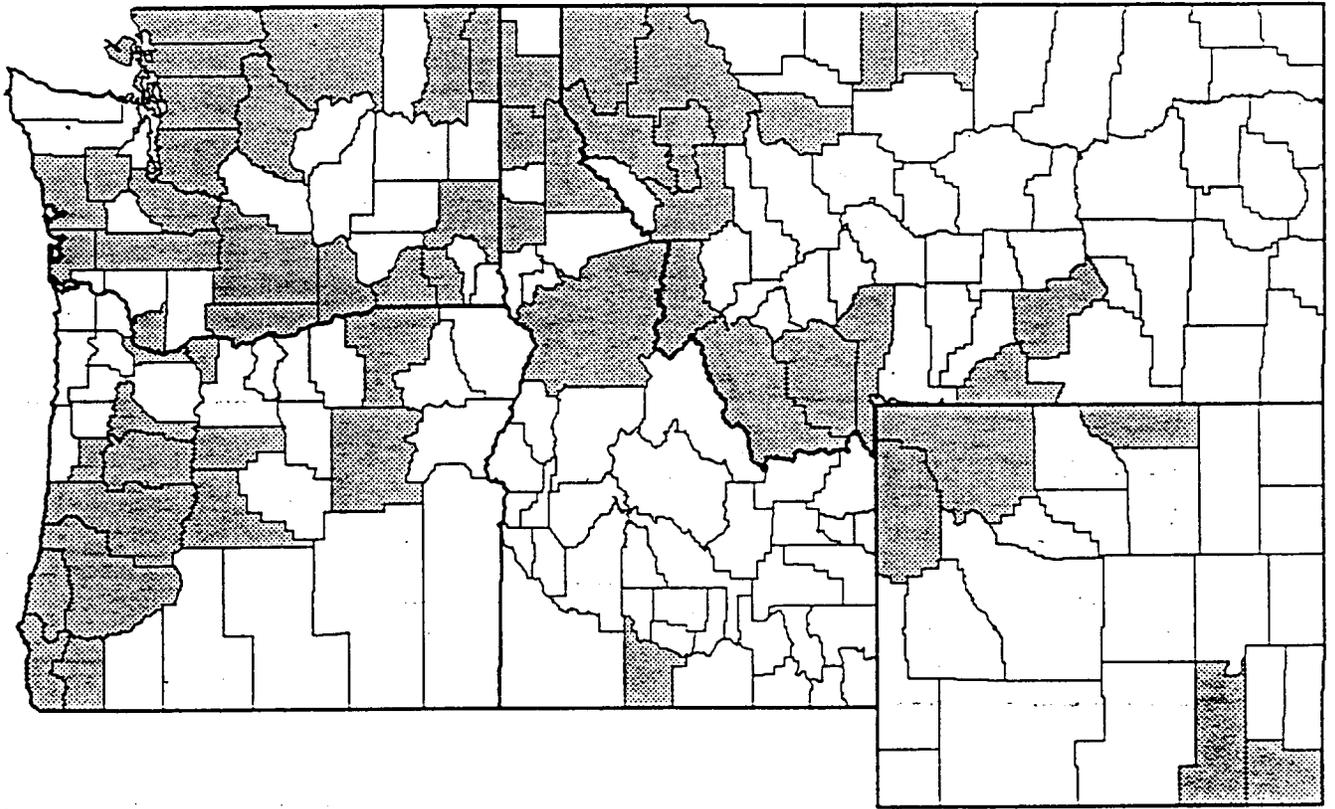
Counties reporting the exotic *Pastinaca sativa* (wild parsnip), 1875-1993.



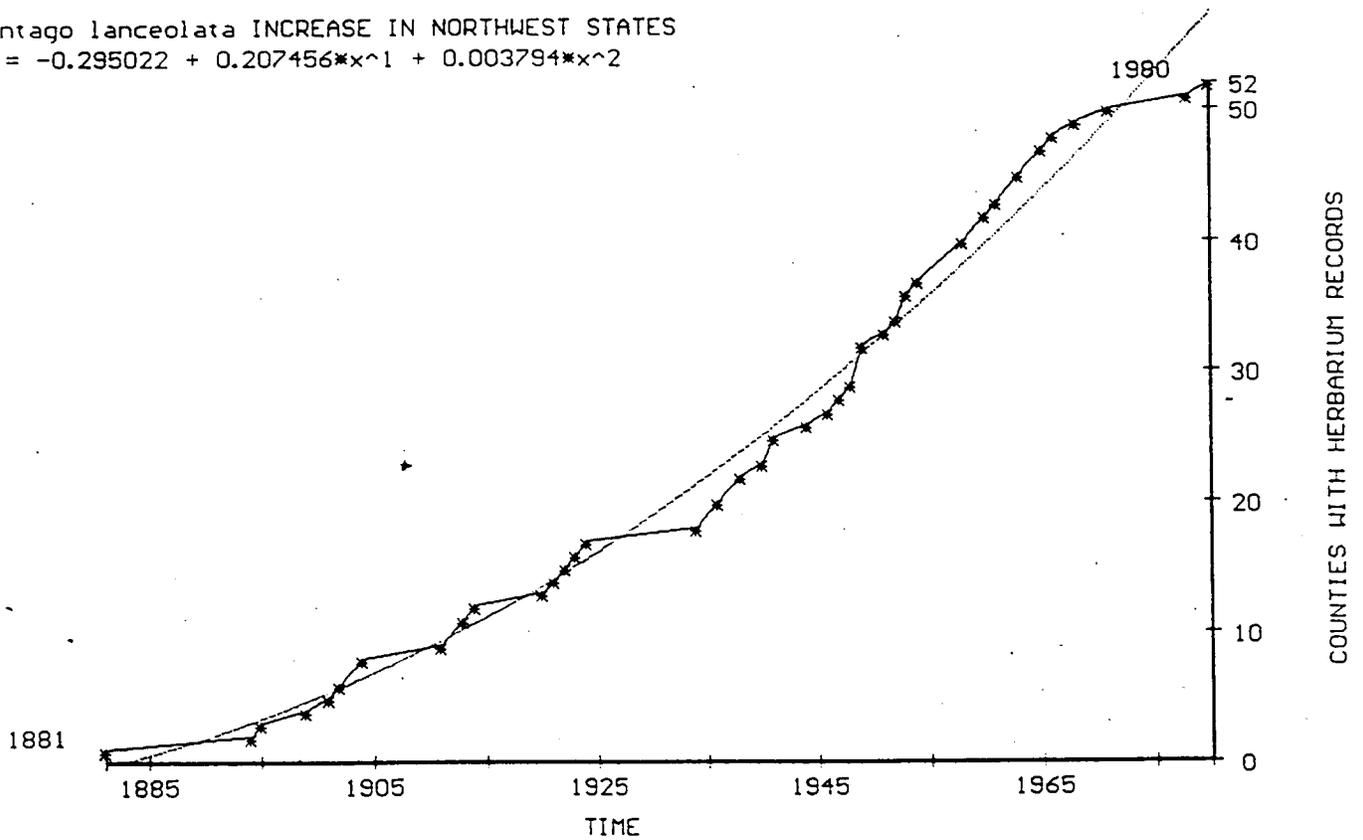
*Pastinaca sativa* INCREASE IN NORTHWEST STATES  
 $y = 0.676723 + 0.317959 * x^1$



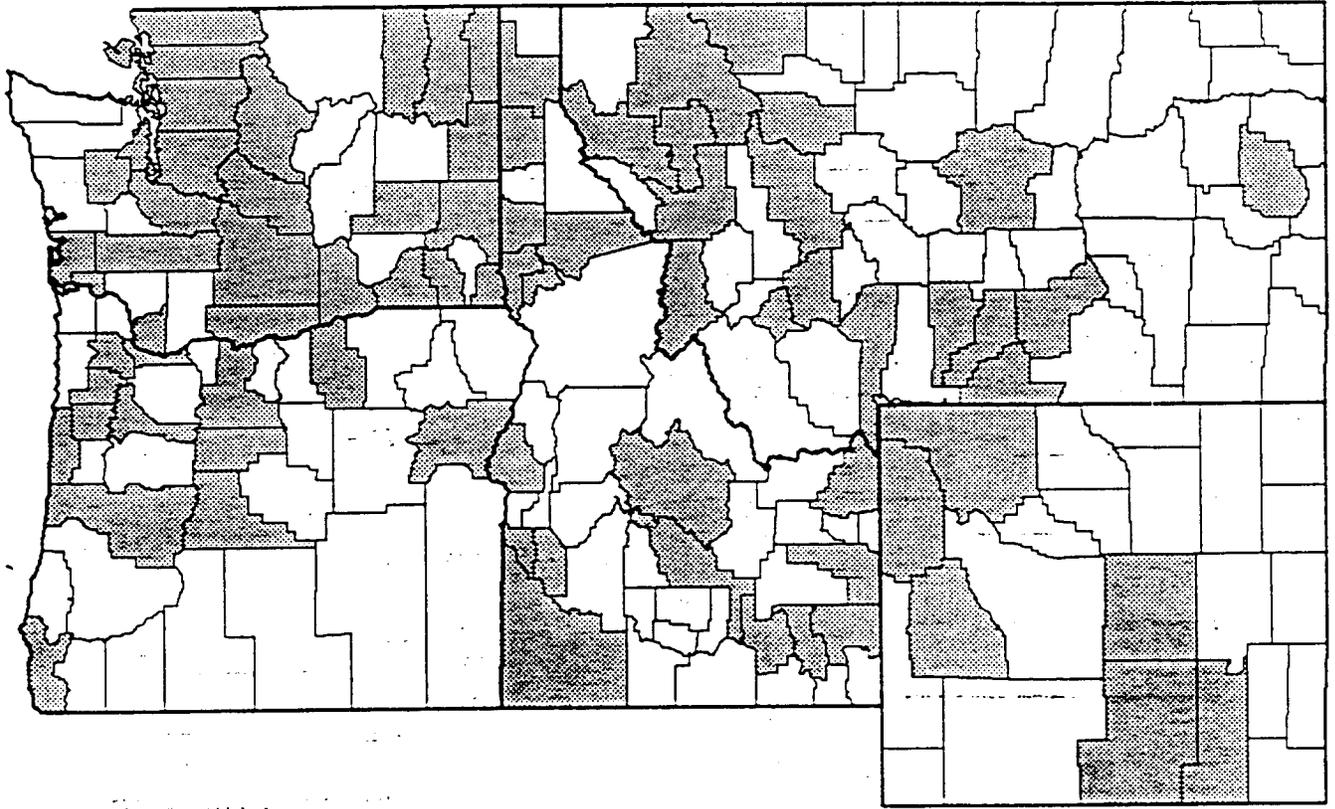
Counties reporting the exotic *Plantago lanceolata* (buckhorn plantain), 1875-1993.



*Plantago lanceolata* INCREASE IN NORTHWEST STATES  
 $y = -0.295022 + 0.207456 * x^1 + 0.003794 * x^2$

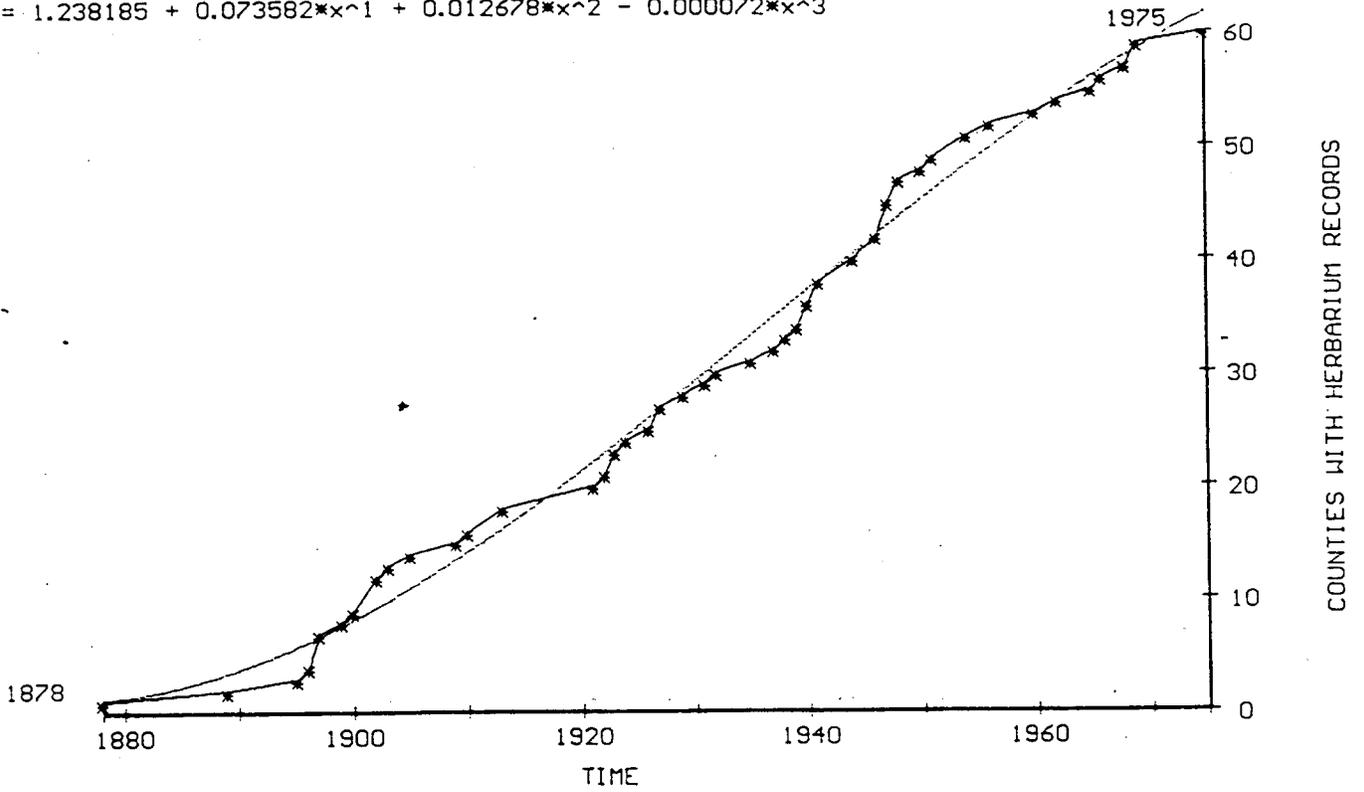


Counties reporting the exotic *Poa annua* (annual bluegrass), 1875-1994.

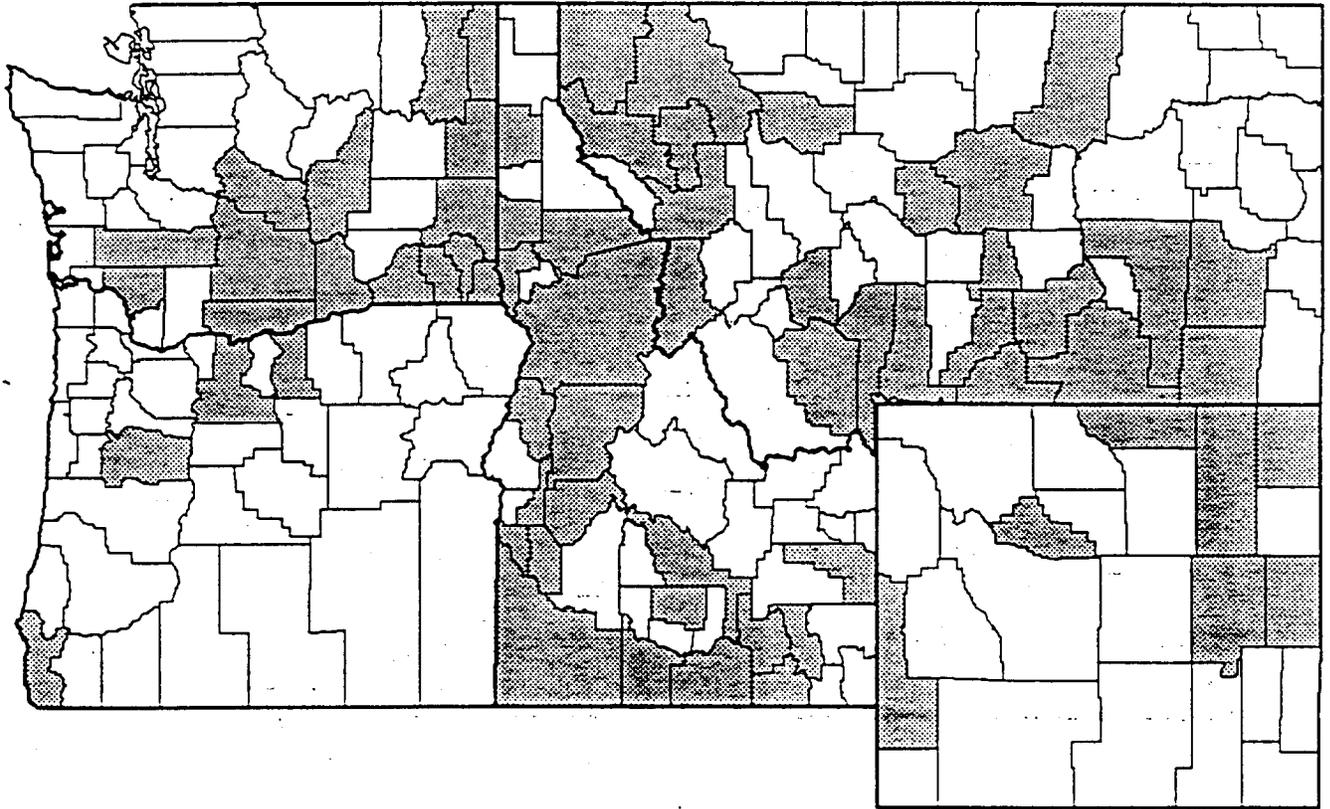


*Poa annua* INCREASE IN NORTHWEST STATES

$$y = 1.238185 + 0.073582 * x^1 + 0.012678 * x^2 - 0.000072 * x^3$$

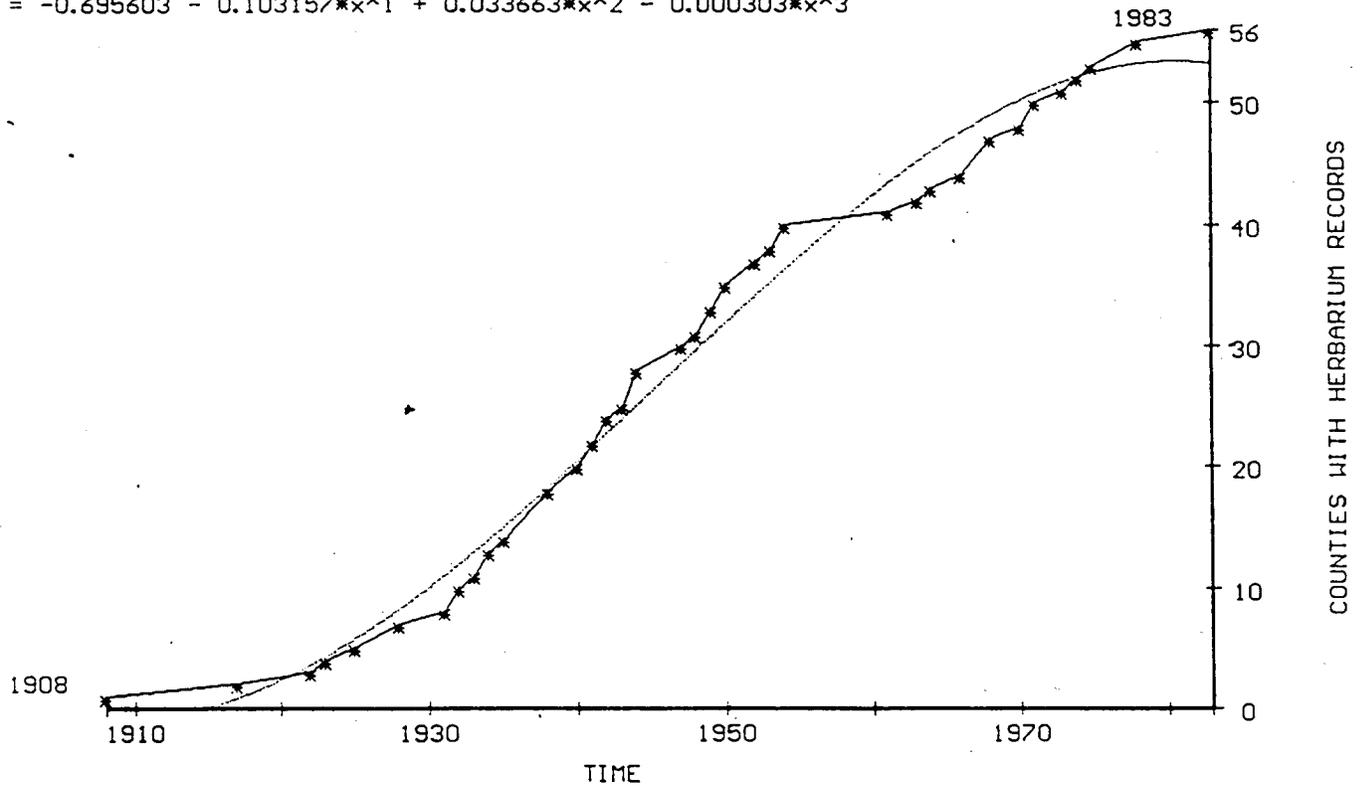


Counties reporting the exotic *Poa bulbosa* (bulbous bluegrass), 1875-1993.

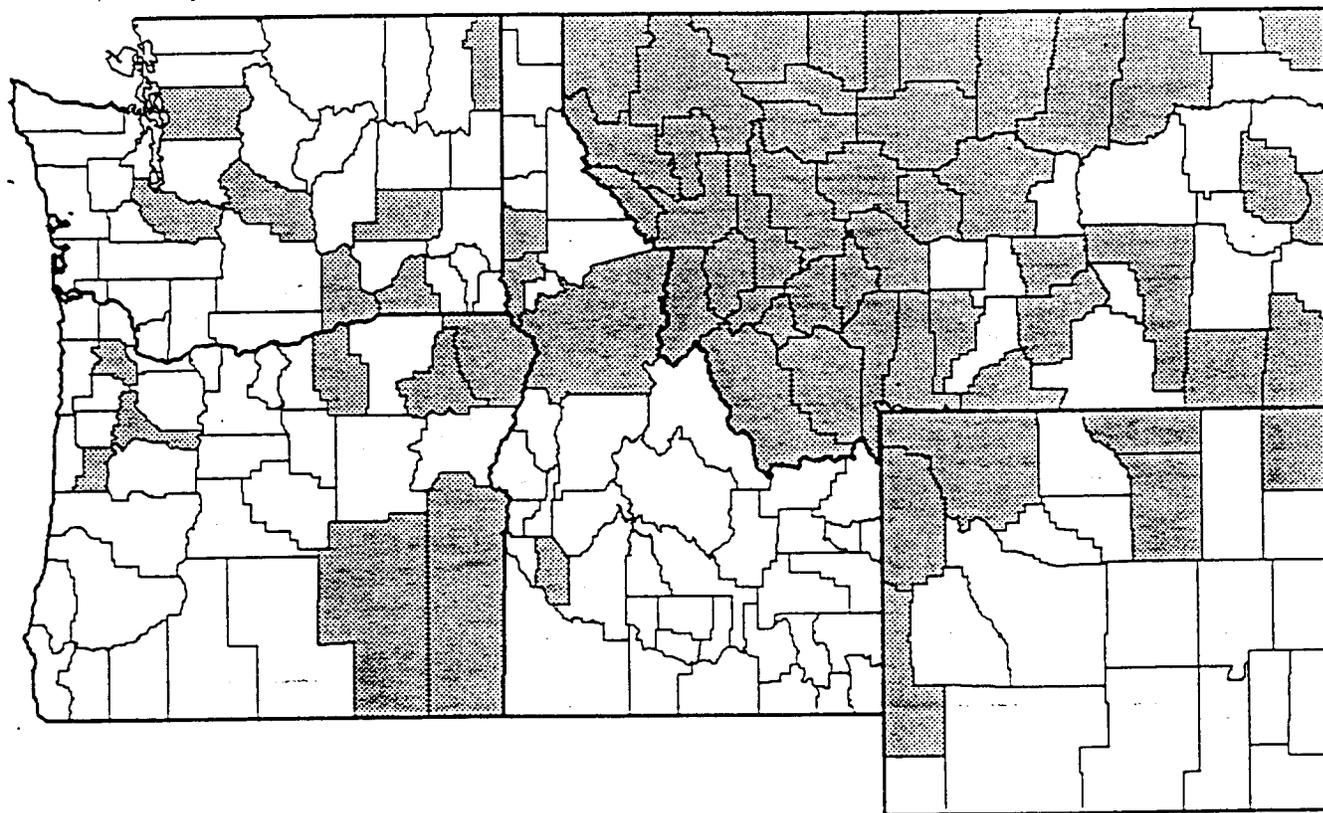


*Poa bulbosa* INCREASE IN NORTHWEST STATES

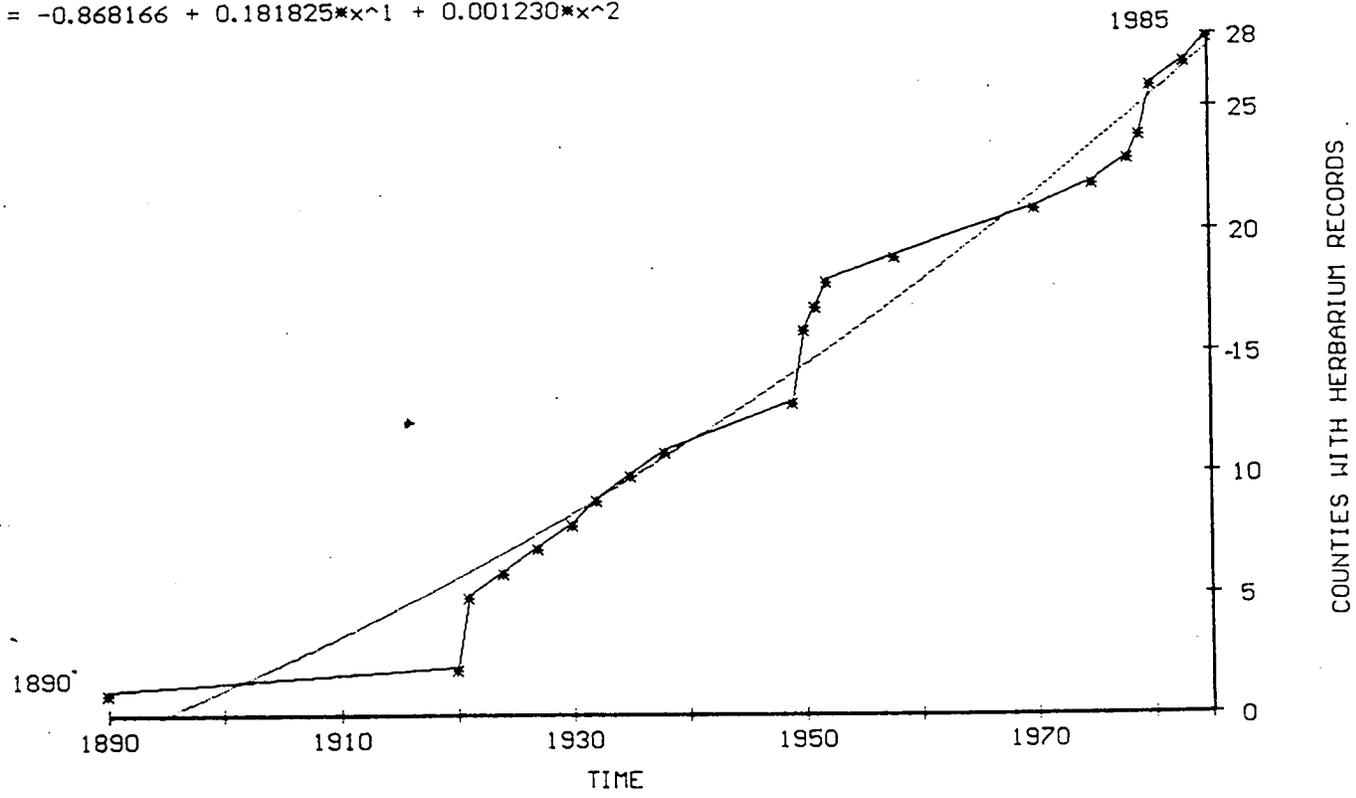
$$y = -0.695603 - 0.103157 * x^1 + 0.033663 * x^2 - 0.000303 * x^3$$



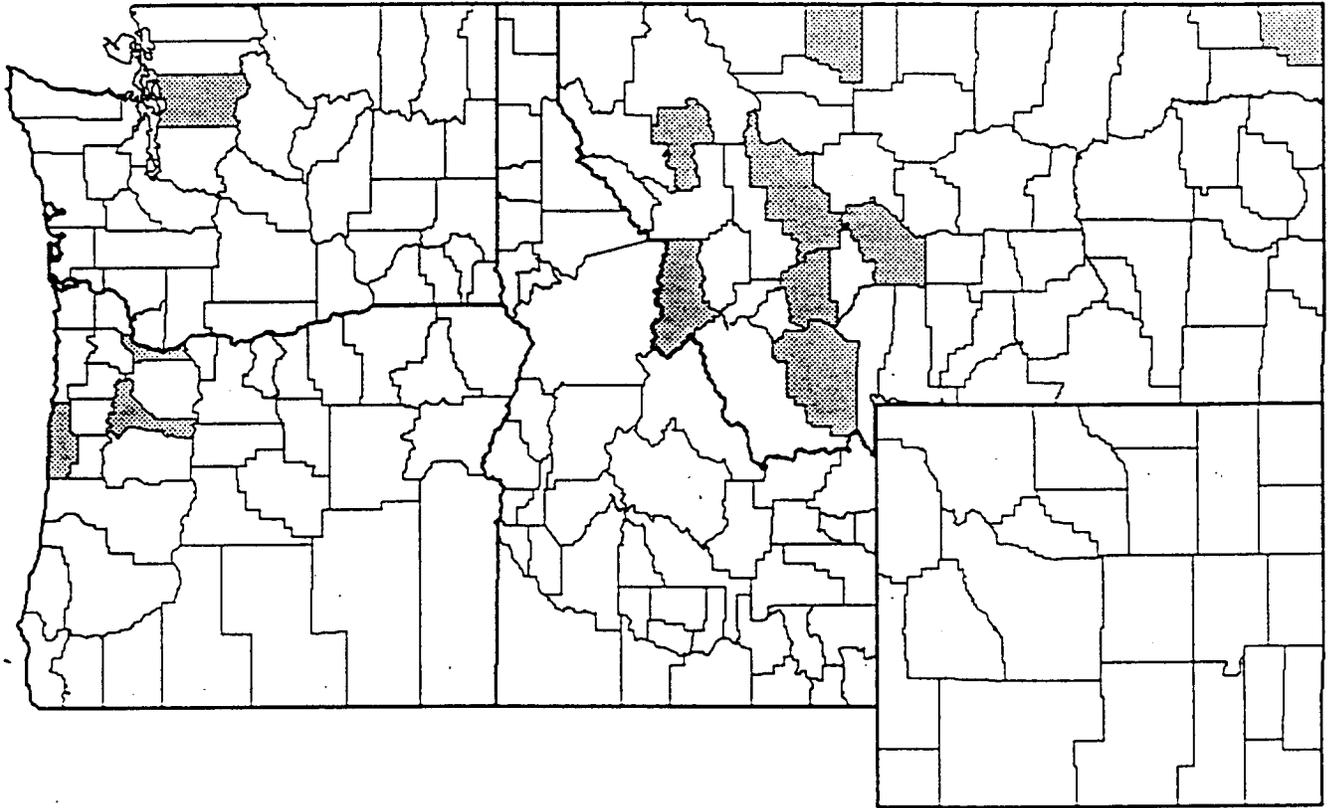
Counties reporting the exotic *Poa pratensis* (Kentucky bluegrass), 1875-1993.



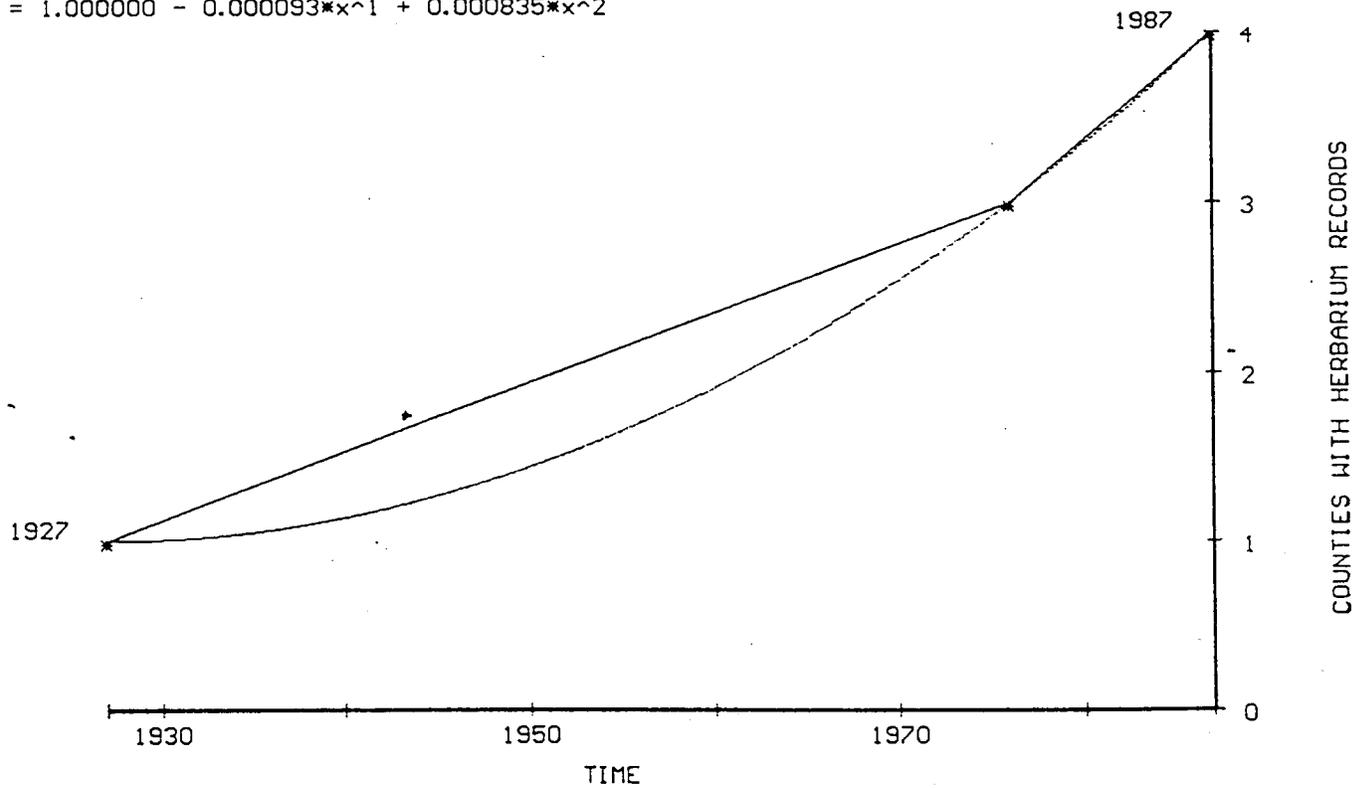
*Poa pratensis* INCREASE IN NORTHWEST STATES  
 $y = -0.868166 + 0.181825 * x^1 + 0.001230 * x^2$



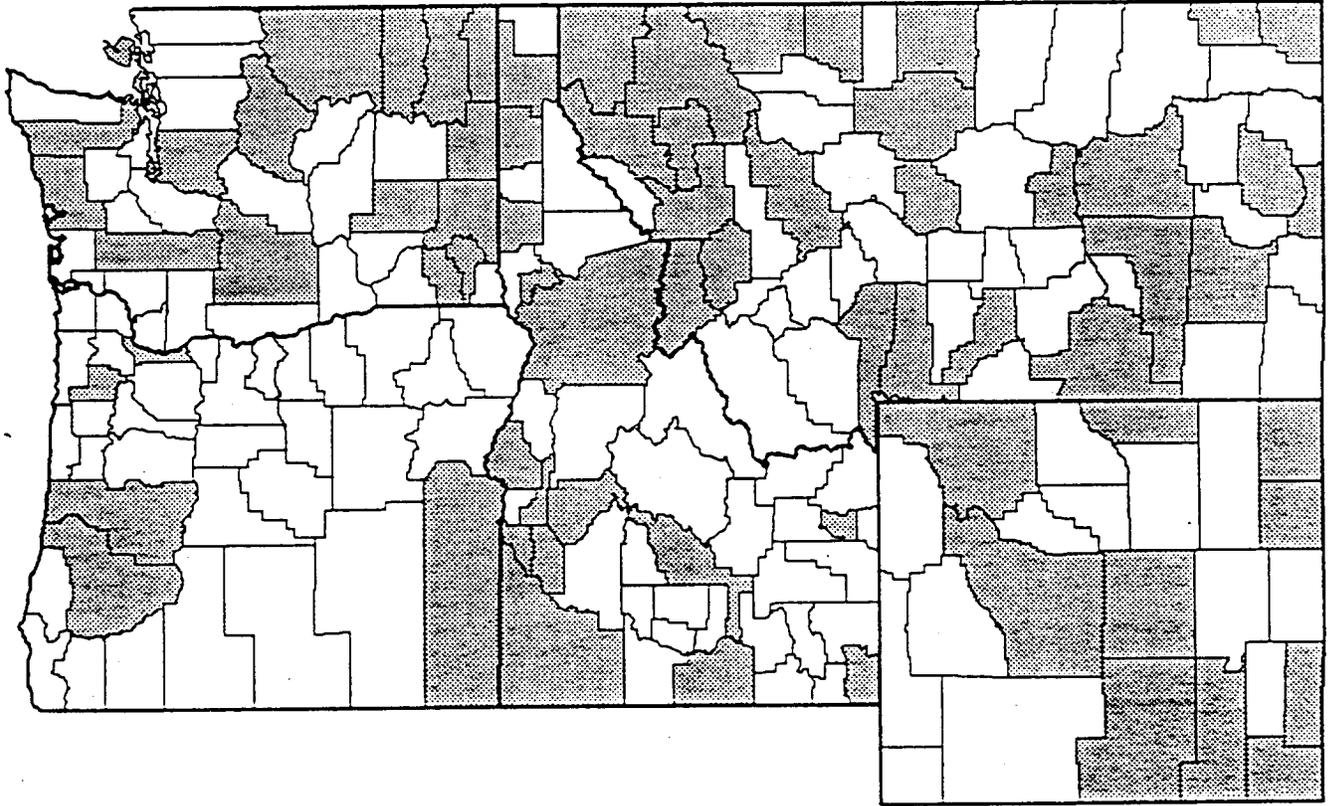
Counties reporting the exotic *Poa trivialis* (roughstalk bluegrass), 1875-1993.



*Poa trivialis* INCREASE IN NORTHWEST STATES  
 $y = 1.000000 - 0.000093 * x^1 + 0.000835 * x^2$

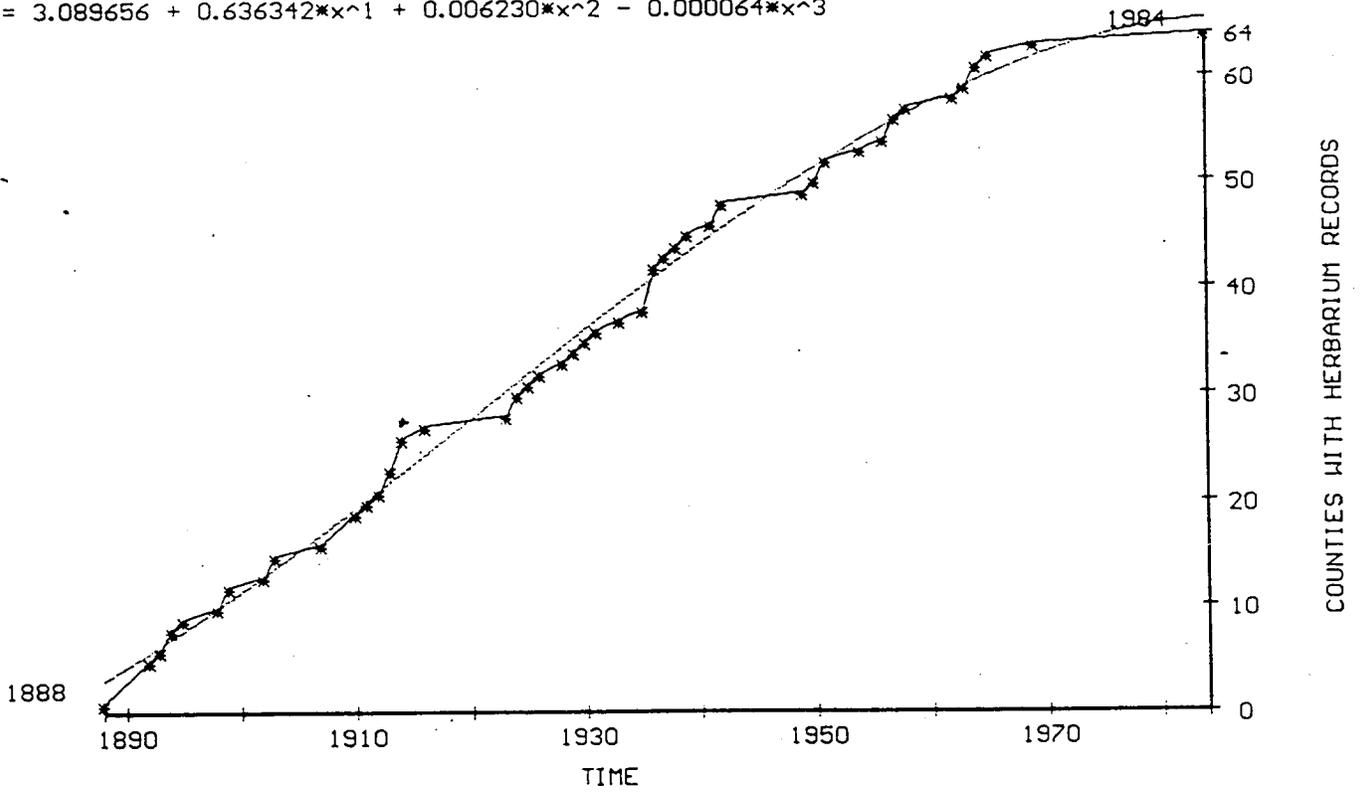


Counties reporting the exotic *Polygonum convolvulus* (wild buckwheat), 1875-1992.

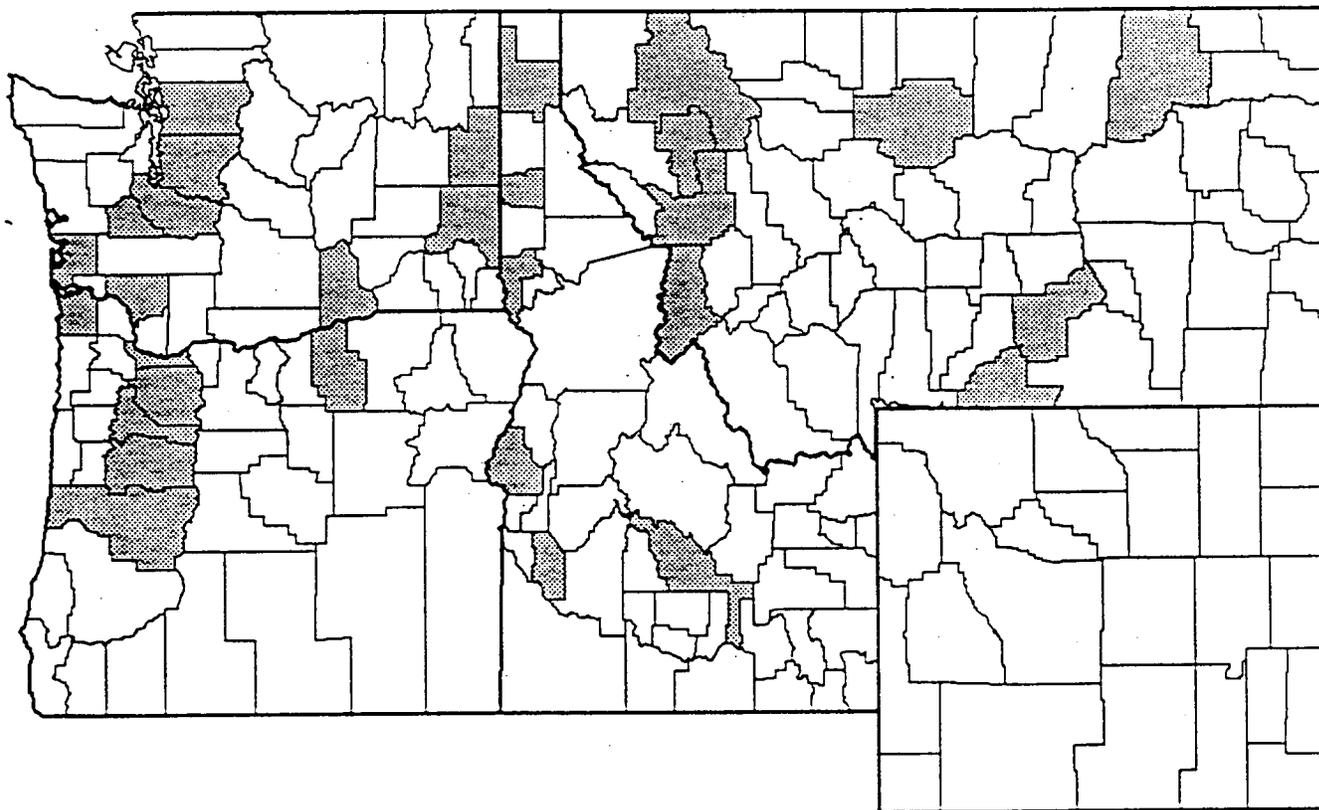


*Polygonum convolvulus* INCREASE IN NORTHWEST STATES

$$y = 3.089656 + 0.636342 * x^1 + 0.006230 * x^2 - 0.000064 * x^3$$

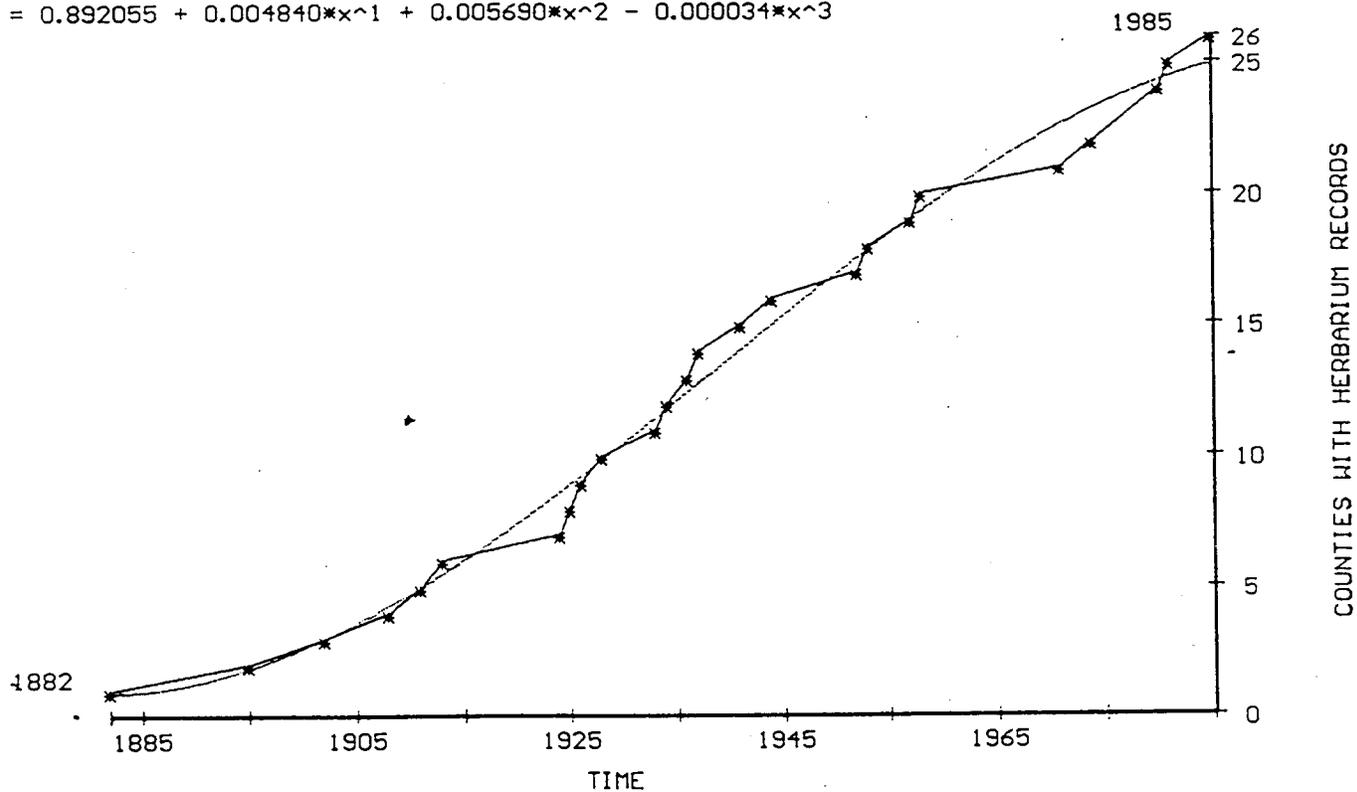


Counties reporting the exotic *Polygonum hydropiper* (marshpepper smartweed), 1875-1993.

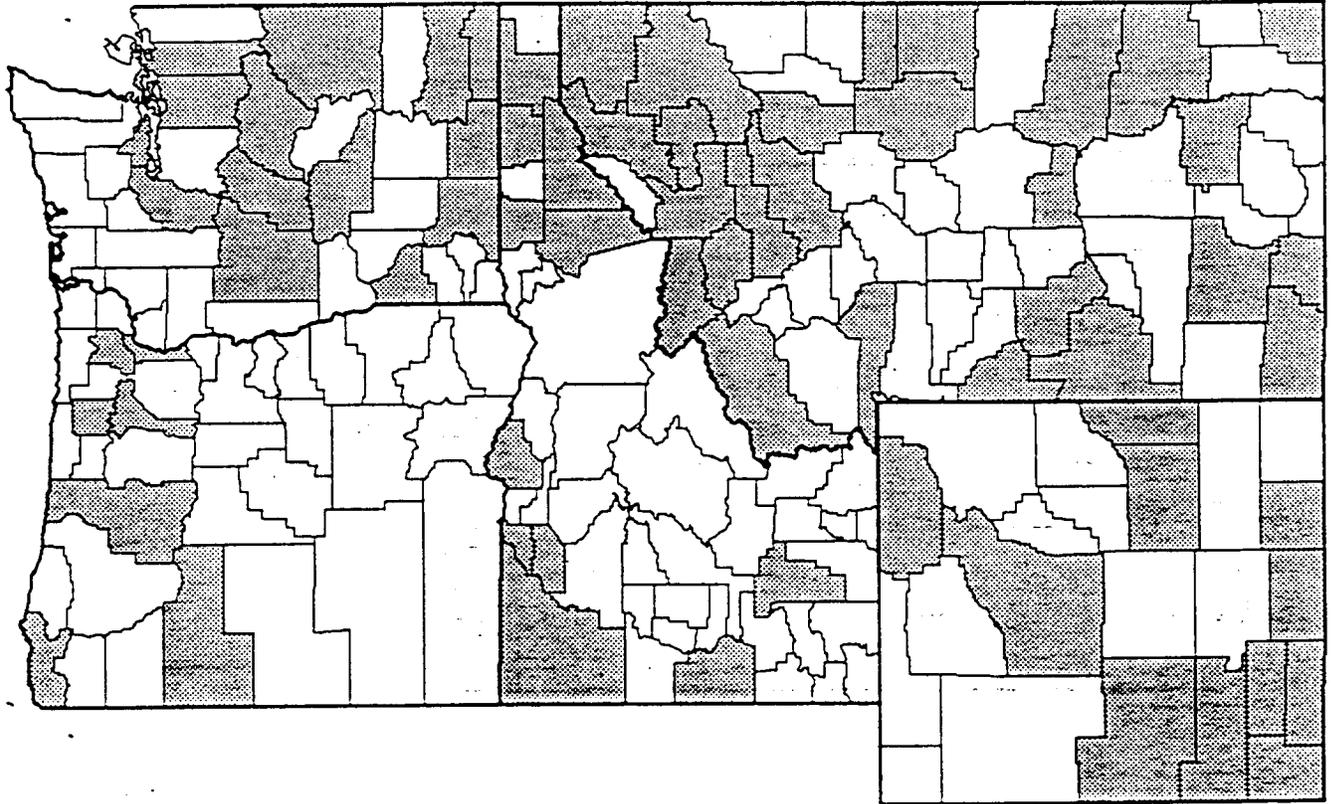


*Polygonum hydropiper* INCREASE IN NORTHWEST STATES

$$y = 0.892055 + 0.004840 * x^1 + 0.005690 * x^2 - 0.000034 * x^3$$

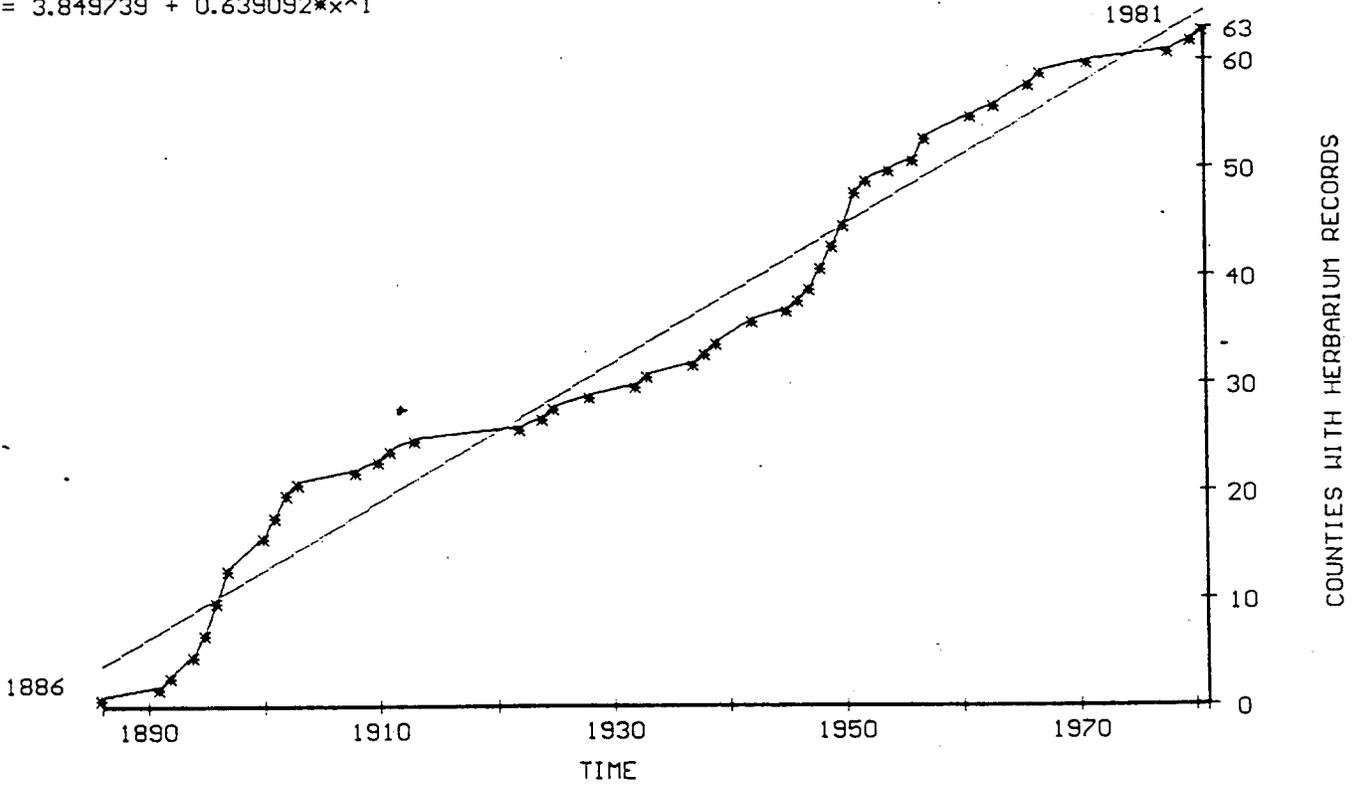


Counties reporting the exotic Polygonum lapathifolium (pale smartweed), 1875-1993.

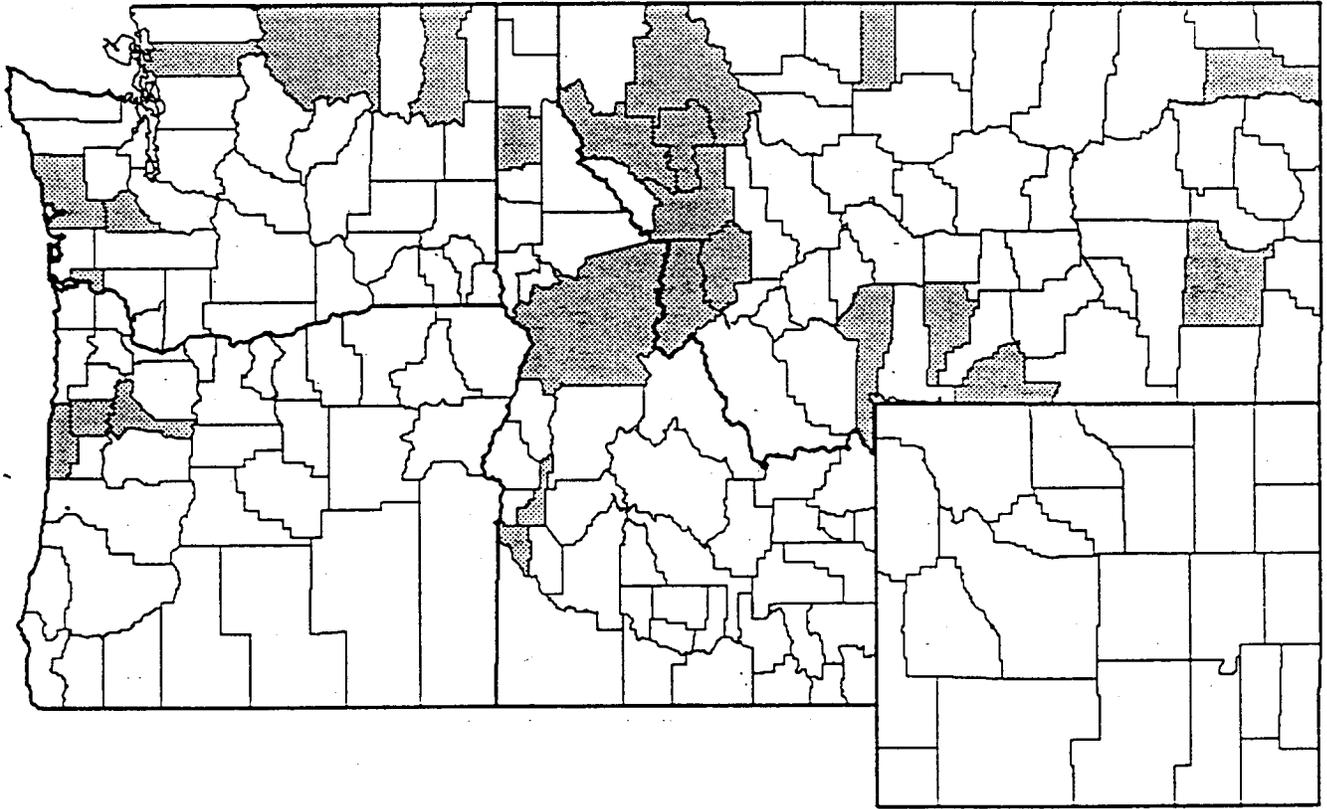


Polygonum lapathifolium INCREASE IN NORTHWEST STATES

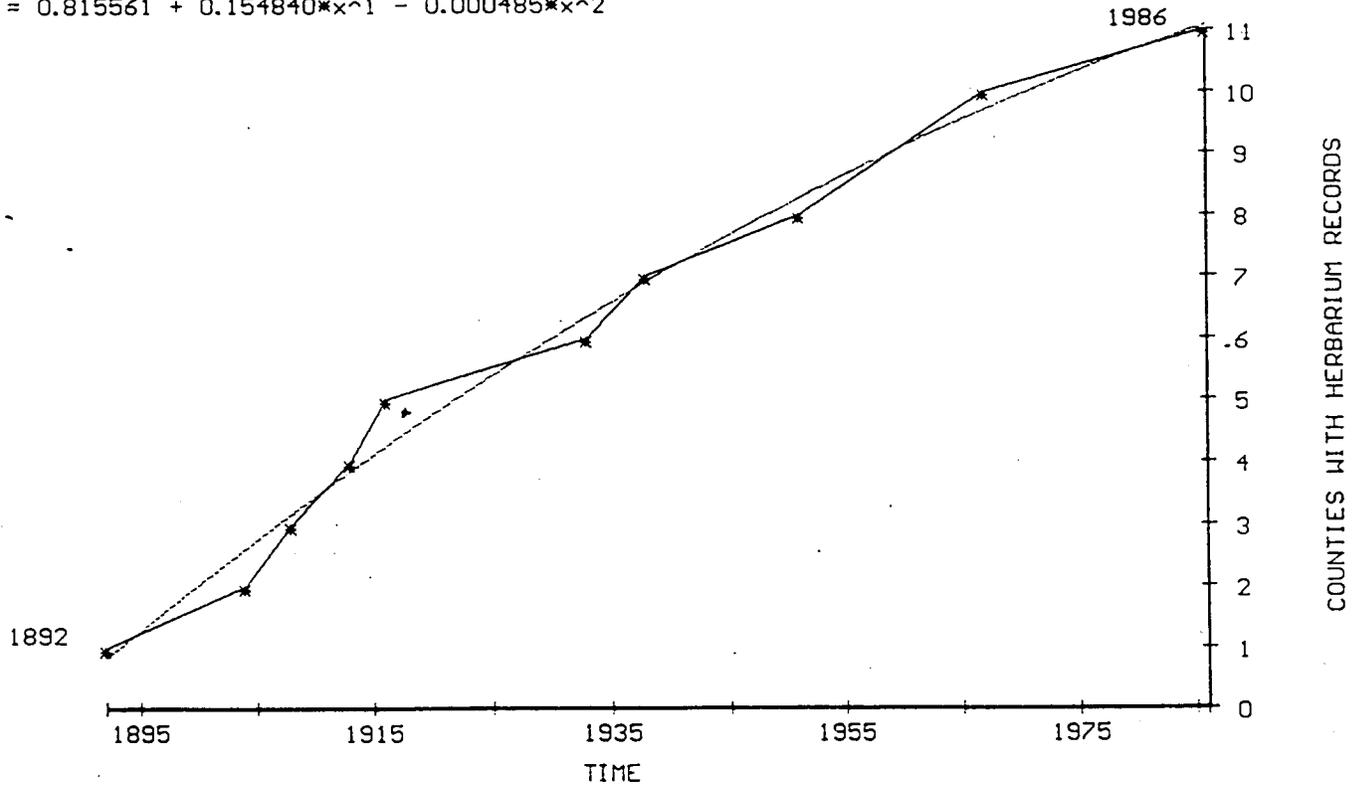
$$y = 3.849739 + 0.639092 * x^1$$



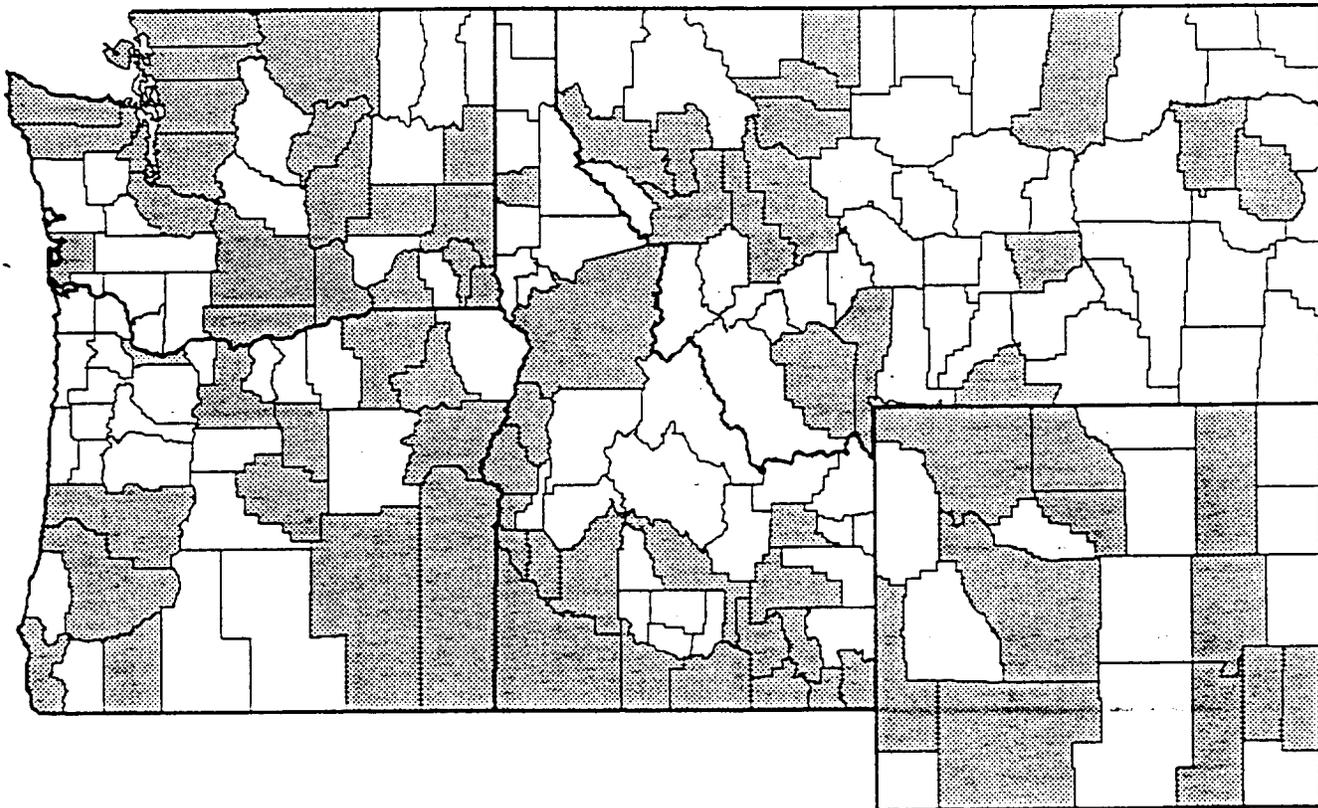
Counties reporting the exotic *Polygonum persicaria* (ladysthumb), 1875-1993.



*Polygonum persicaria* INCREASE IN NORTHWEST STATES  
 $y = 0.815561 + 0.154840 * x^1 - 0.000485 * x^2$

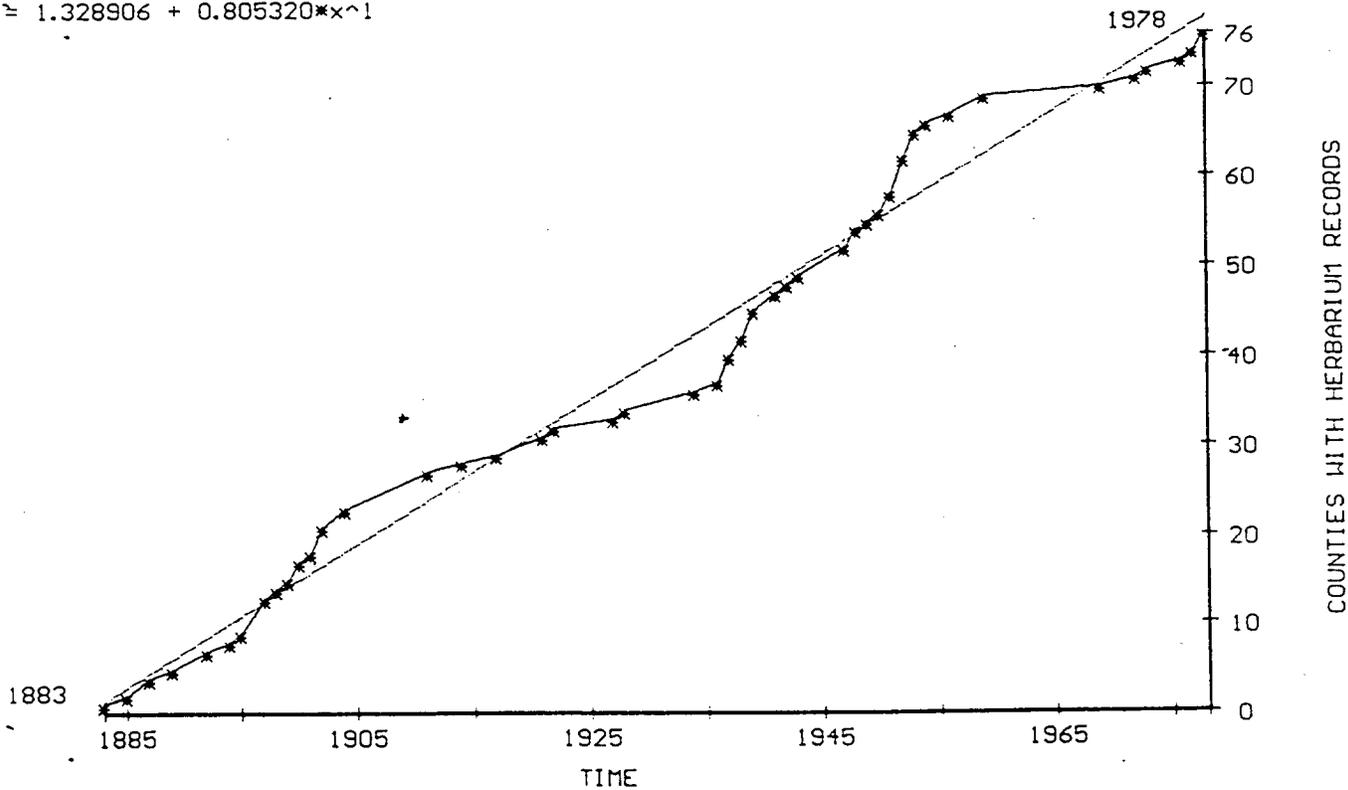


Counties reporting the exotic *Polypogon monspeliensis* (rabbitfoot polyogon), 1875-1992.

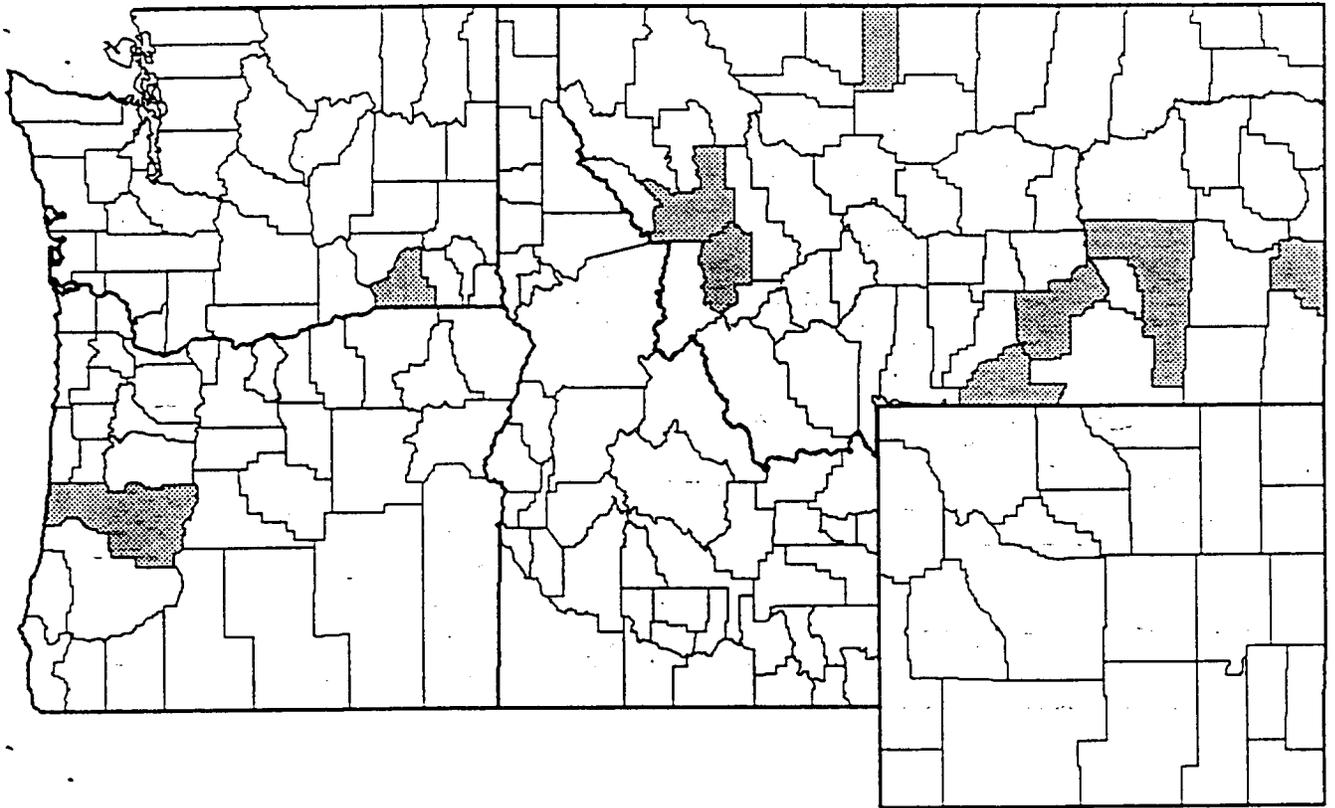


*Polypogon monspeliensis* INCREASE IN NORTHWEST STATES

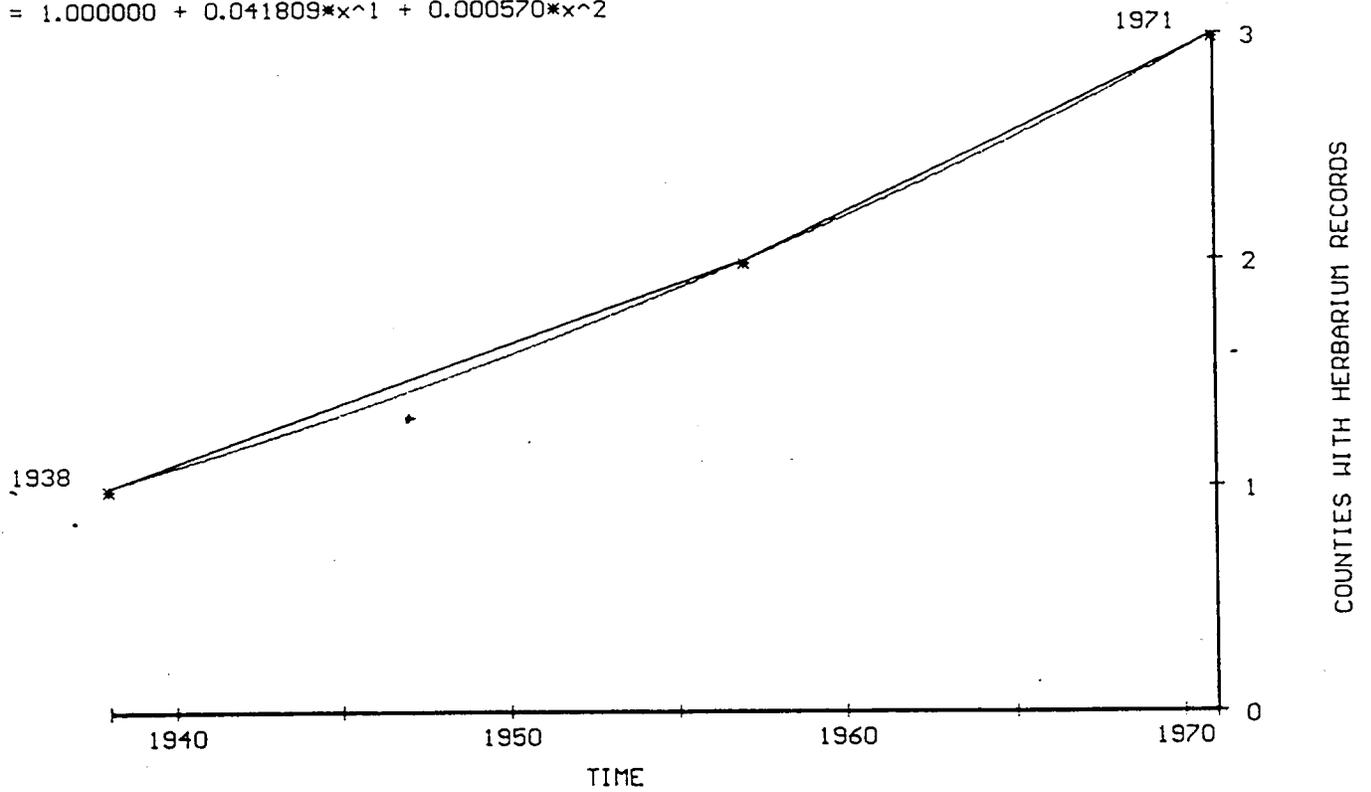
$$y \approx 1.328906 + 0.805320 * x^1$$



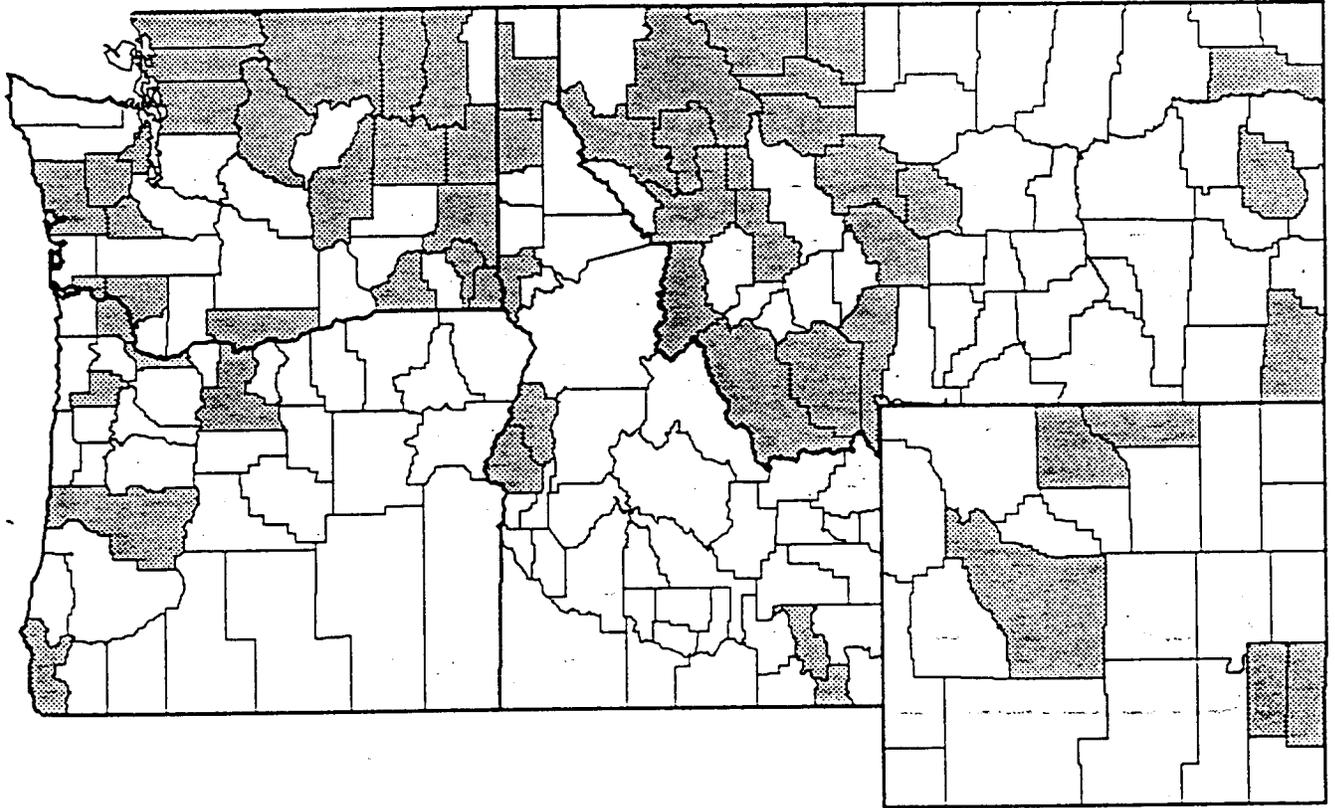
Counties reporting the exotic *Populus alba* (white poplar), 1875-1992.



*Populus alba* INCREASE IN NORTHWEST STATES  
 $y = 1.000000 + 0.041809 * x^1 + 0.000570 * x^2$

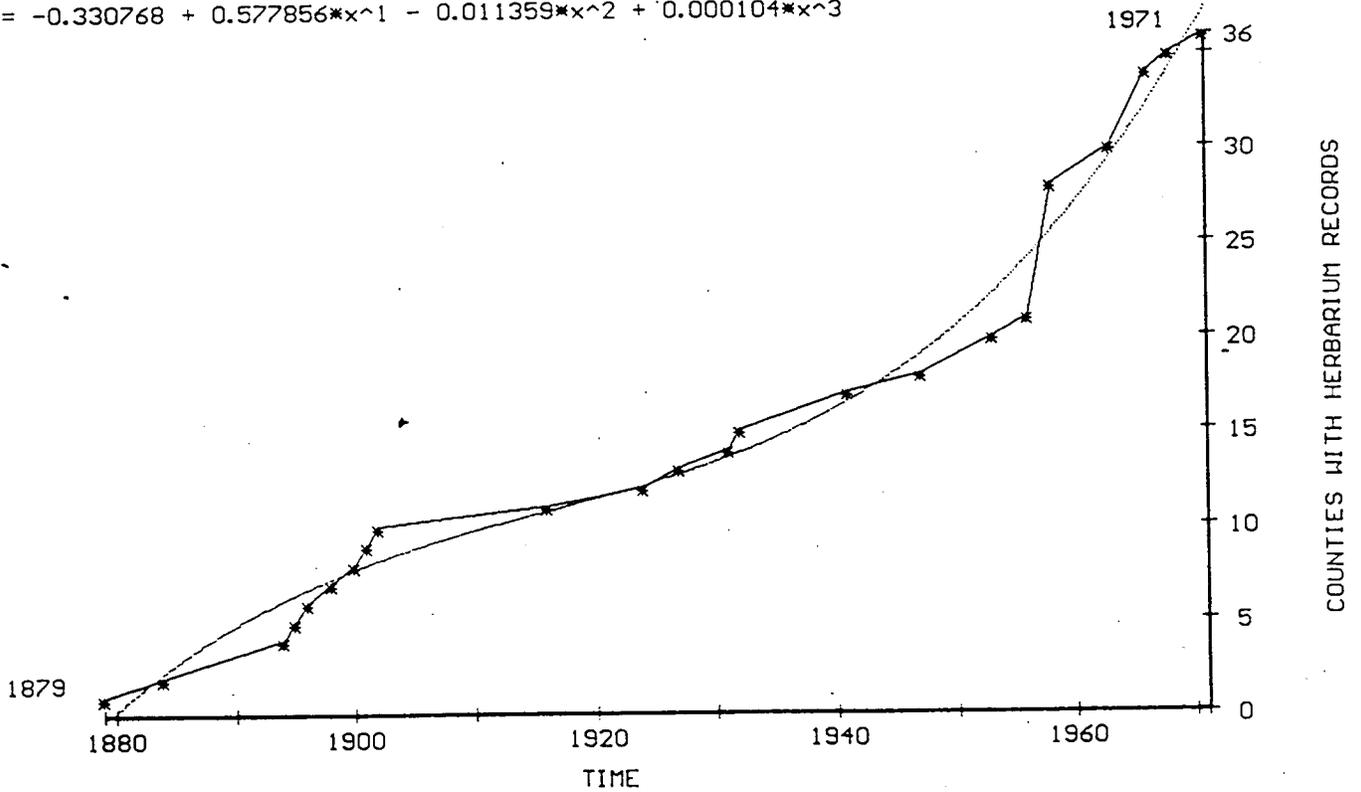


Counties reporting the exotic *Portulaca oleracea* (common purslane), 1875-1993.

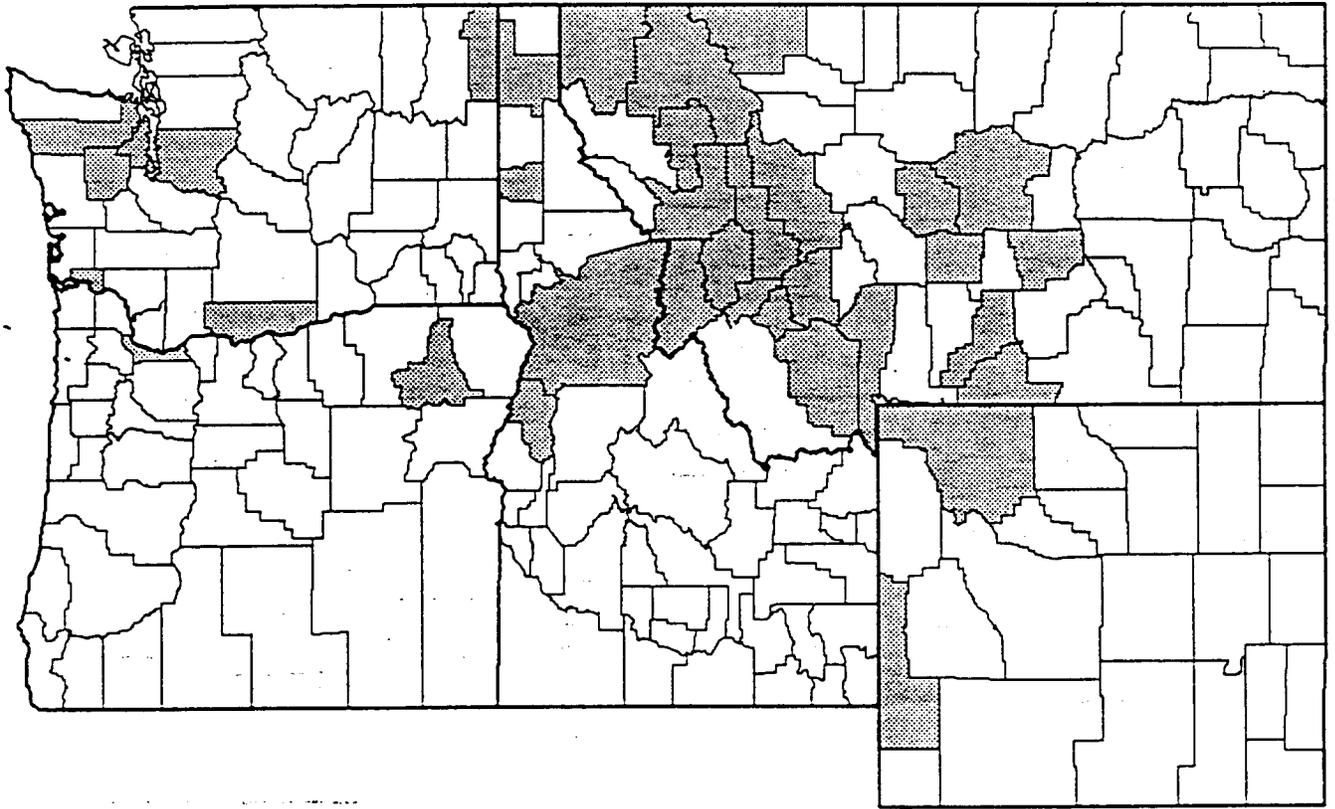


*Portulaca oleracea* INCREASE IN NORTHWEST STATES

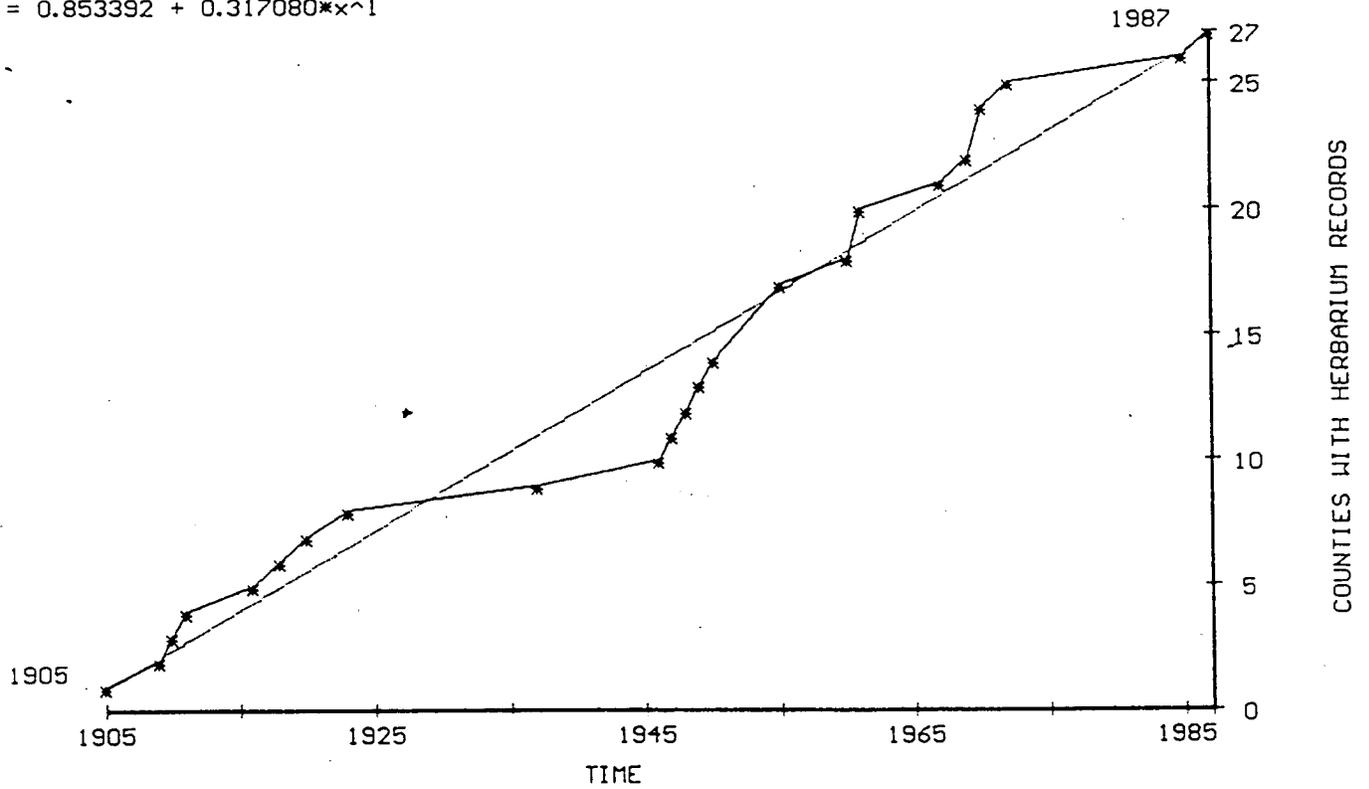
$$y = -0.330768 + 0.577856 * x^1 - 0.011359 * x^2 + 0.000104 * x^3$$



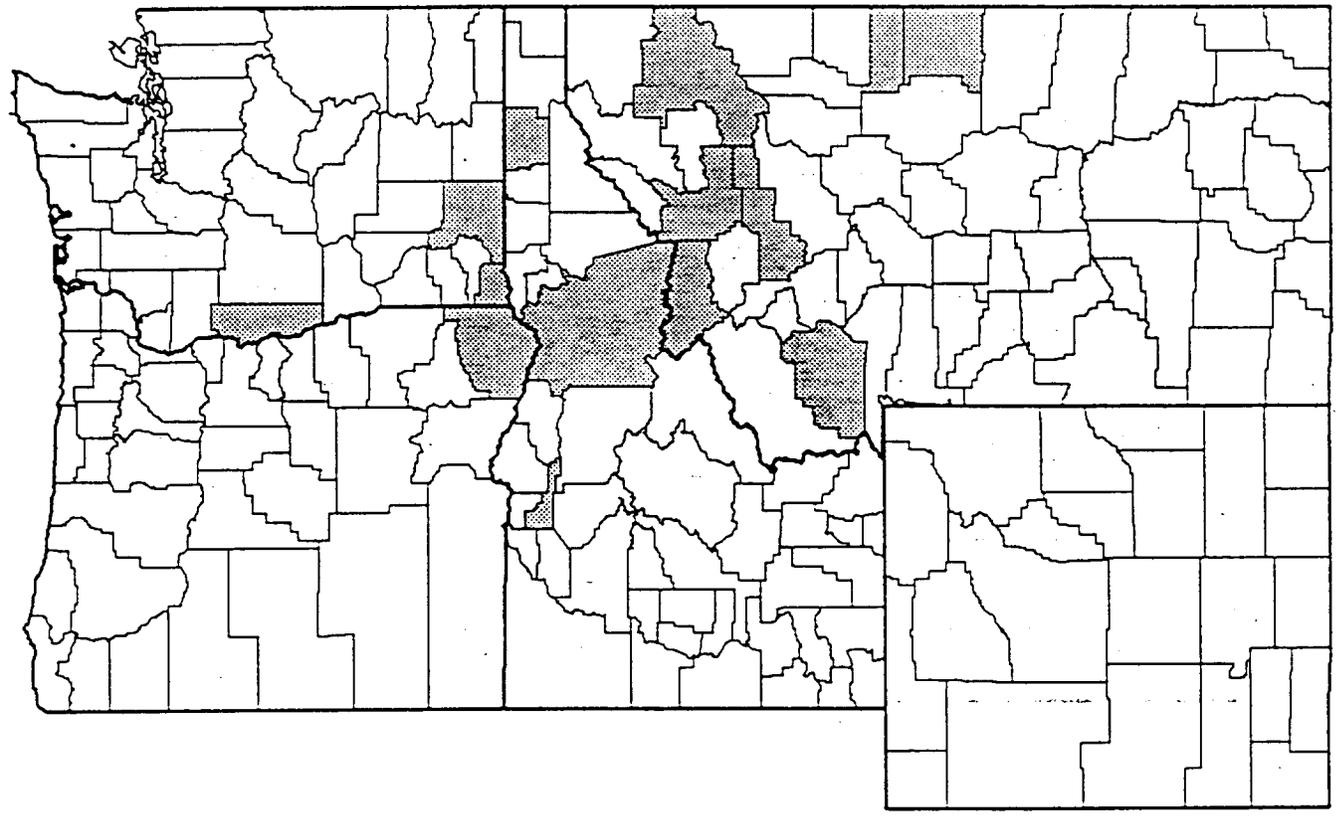
Counties reporting the exotic *Ranunculus acris* (tall buttercup), 1875-1993.



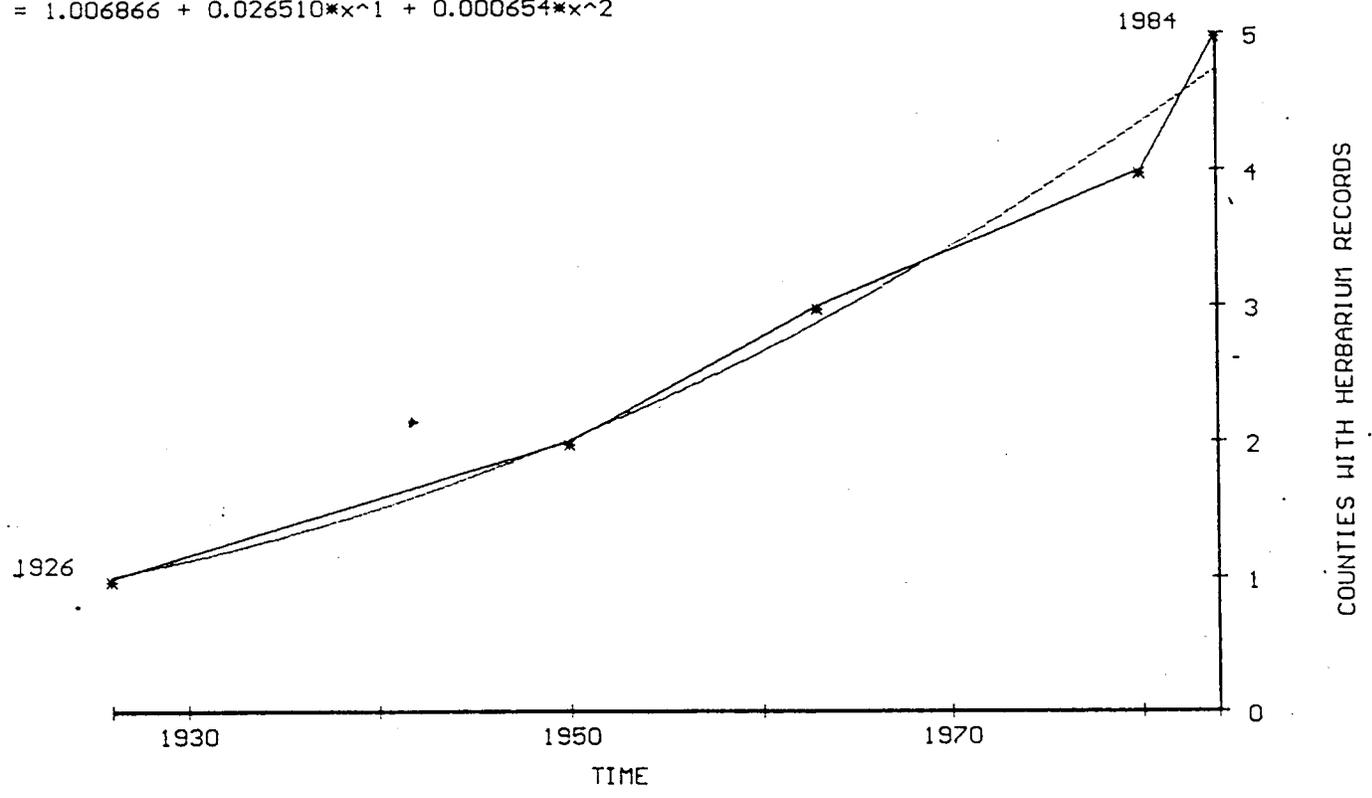
*Ranunculus acris* INCREASE IN NORTHWEST STATES  
 $y = 0.853392 + 0.317080 * x^1$



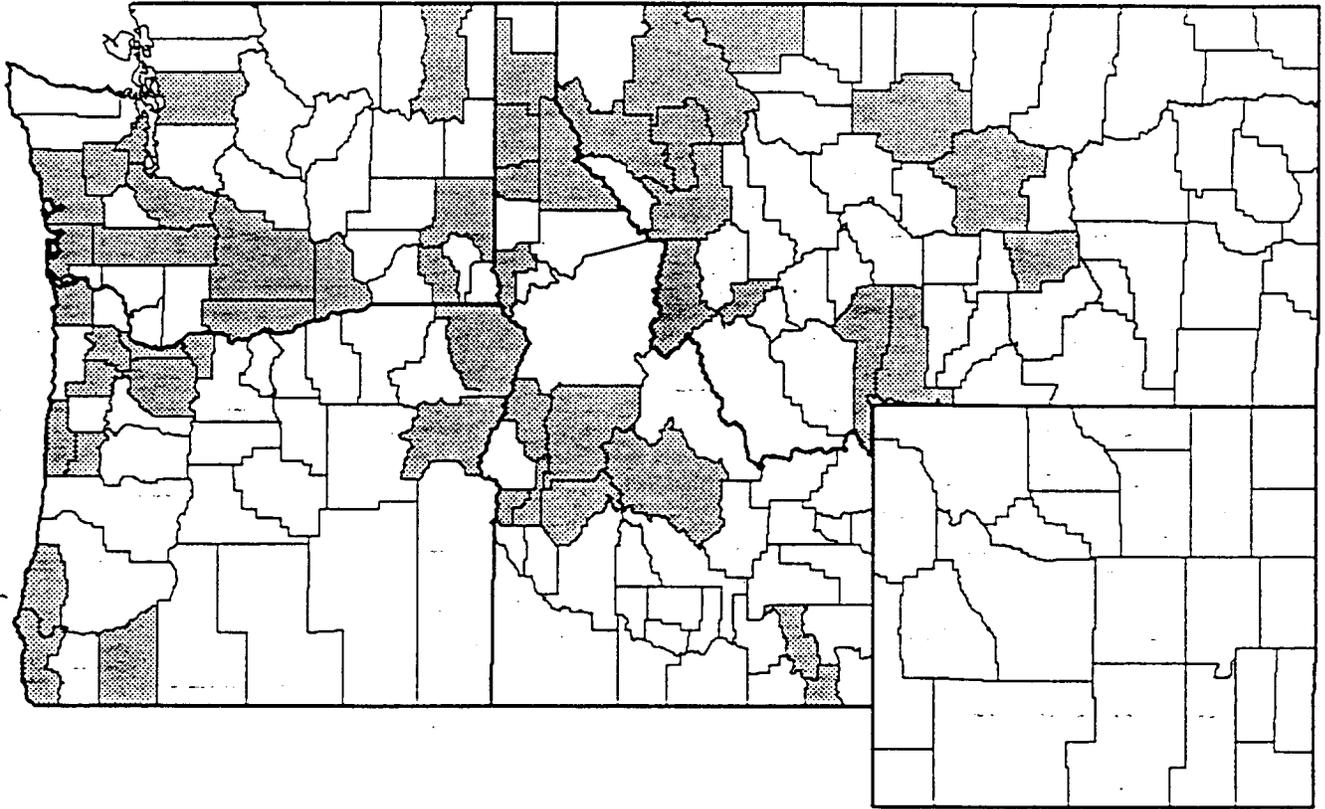
Counties reporting the exotic *Ranunculus arvensis* (corn buttercup), 1875-1993.



*Ranunculus arvensis* INCREASE IN NORTHWEST STATES  
 $y = 1.006866 + 0.026510 * x^1 + 0.000654 * x^2$

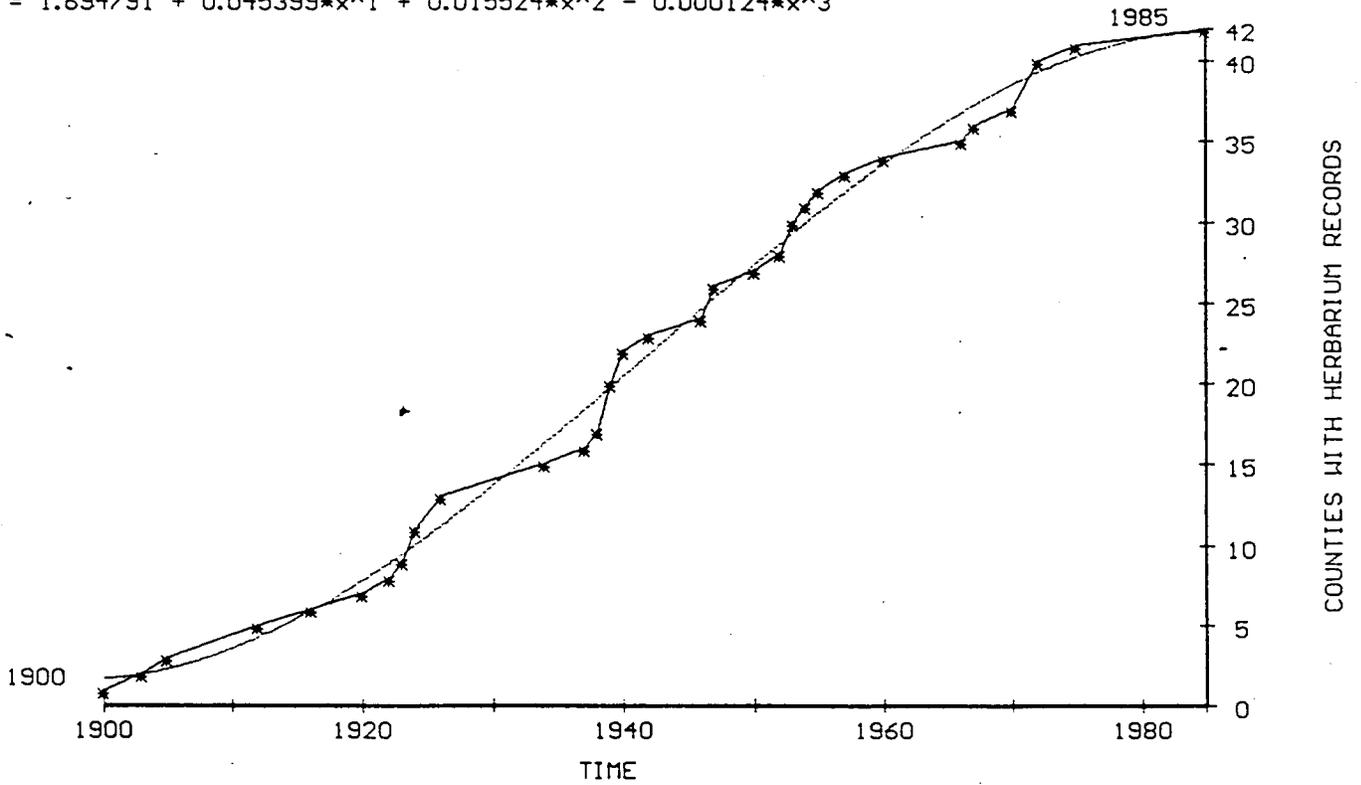


Counties reporting the exotic *Ranunculus repens* (creeping buttercup), 1875-1990.

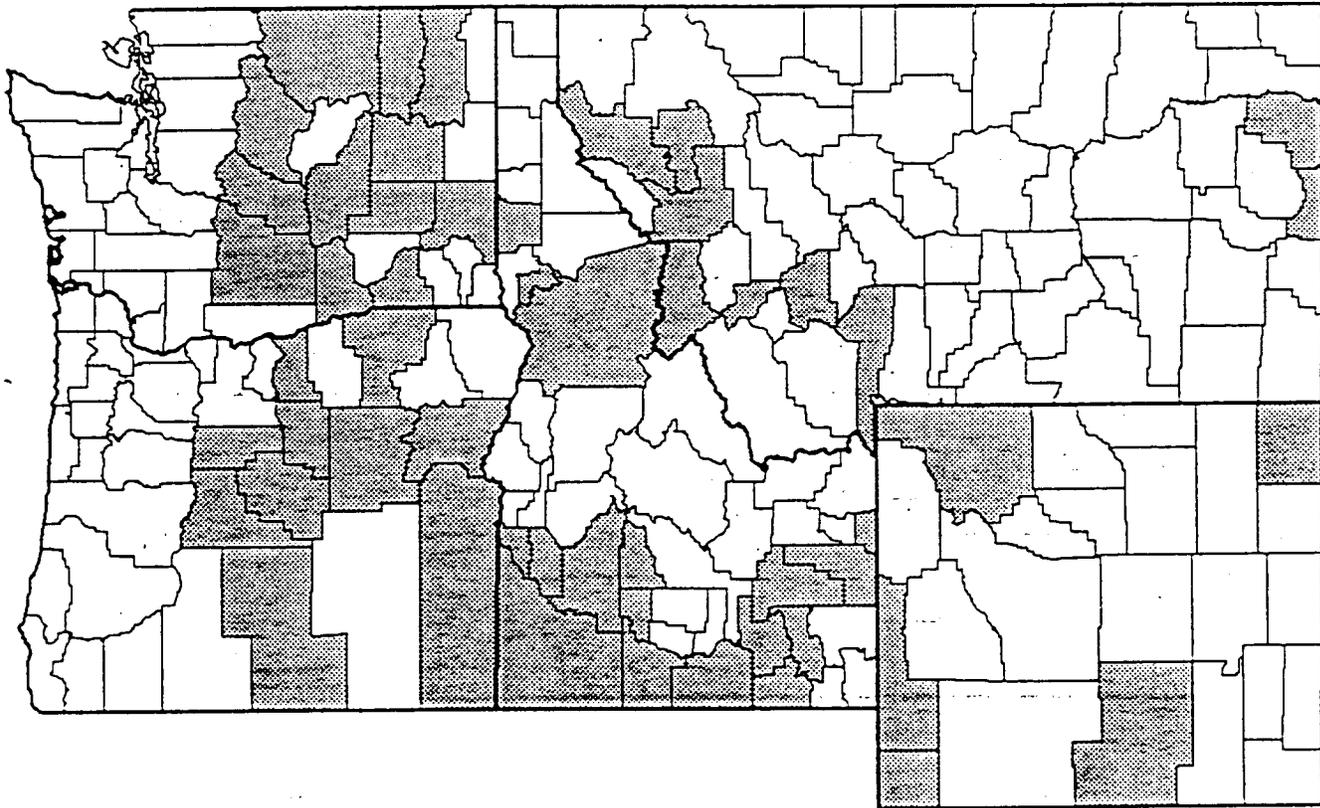


*Ranunculus repens* INCREASE IN NORTHWEST STATES

$$y = 1.694791 + 0.045399 * x^1 + 0.015524 * x^2 - 0.000124 * x^3$$

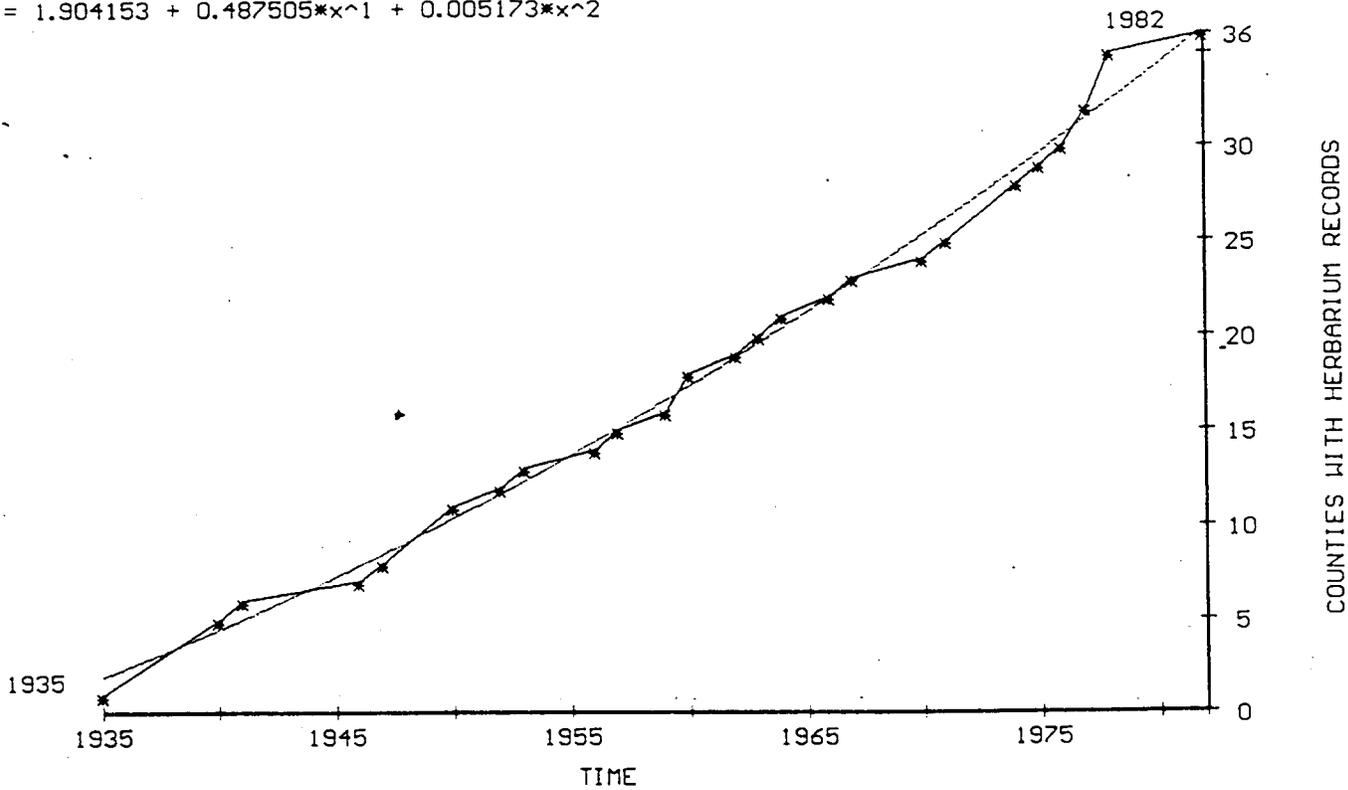


Counties reporting the exotic *Ranunculus testiculatus* (bur buttercup), 1875-1994.

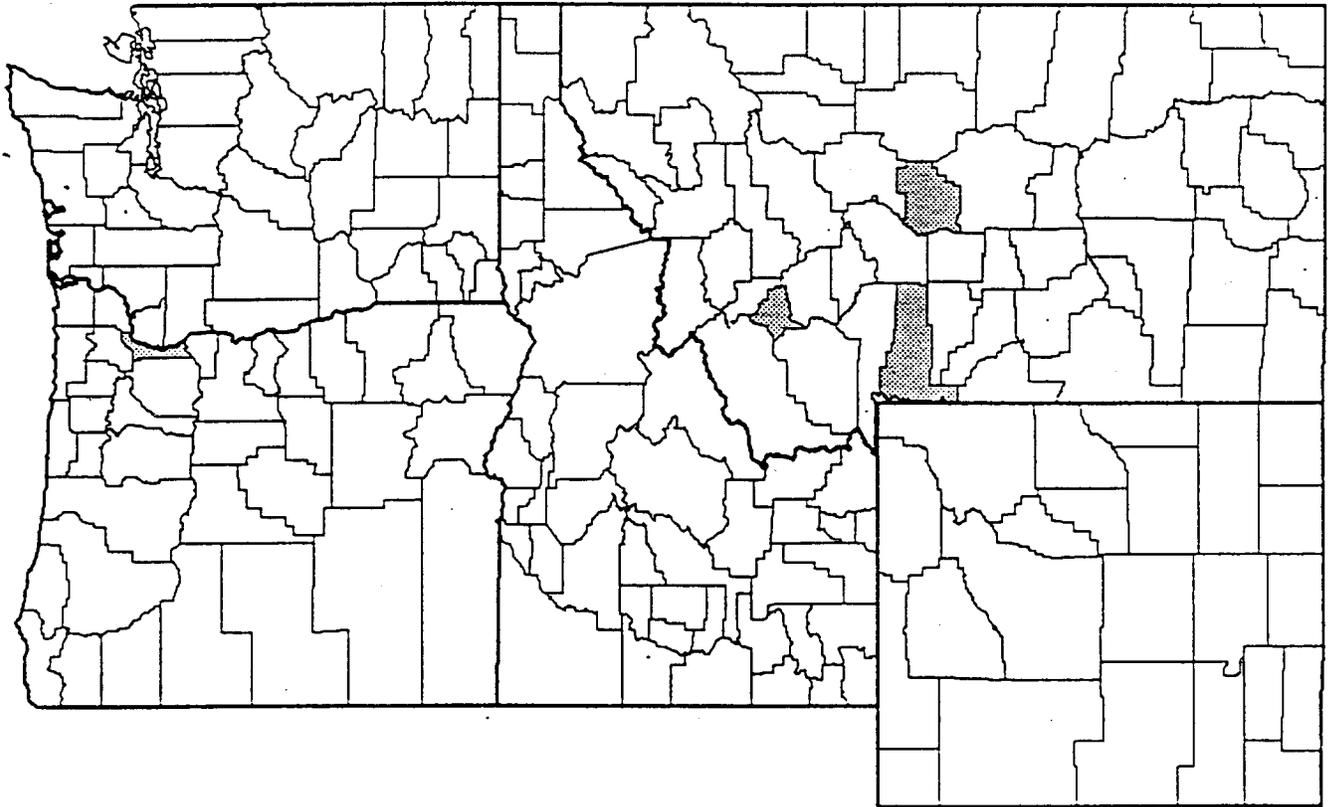


*Ranunculus testiculatus* INCREASE IN NORTHWEST STATES

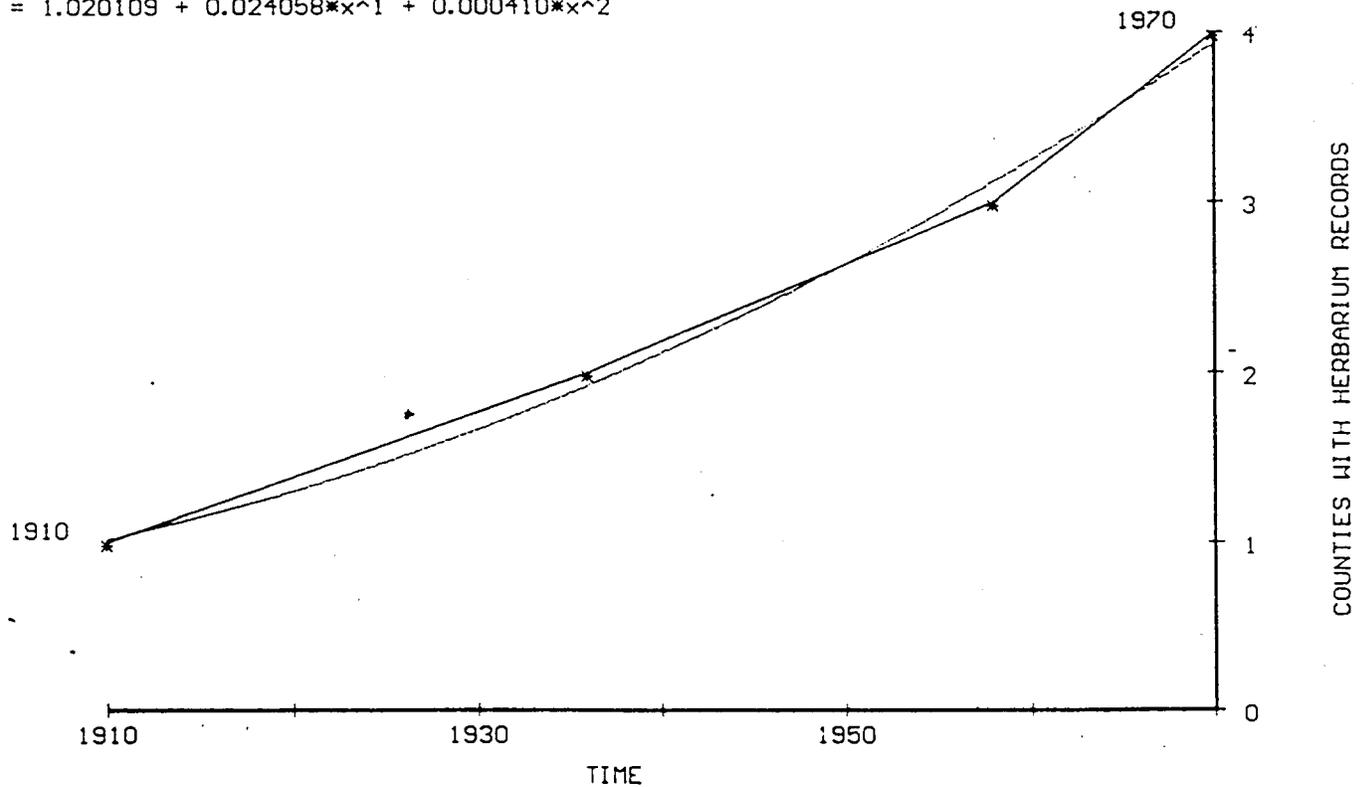
$$y = 1.904153 + 0.487505 * x^1 + 0.005173 * x^2$$



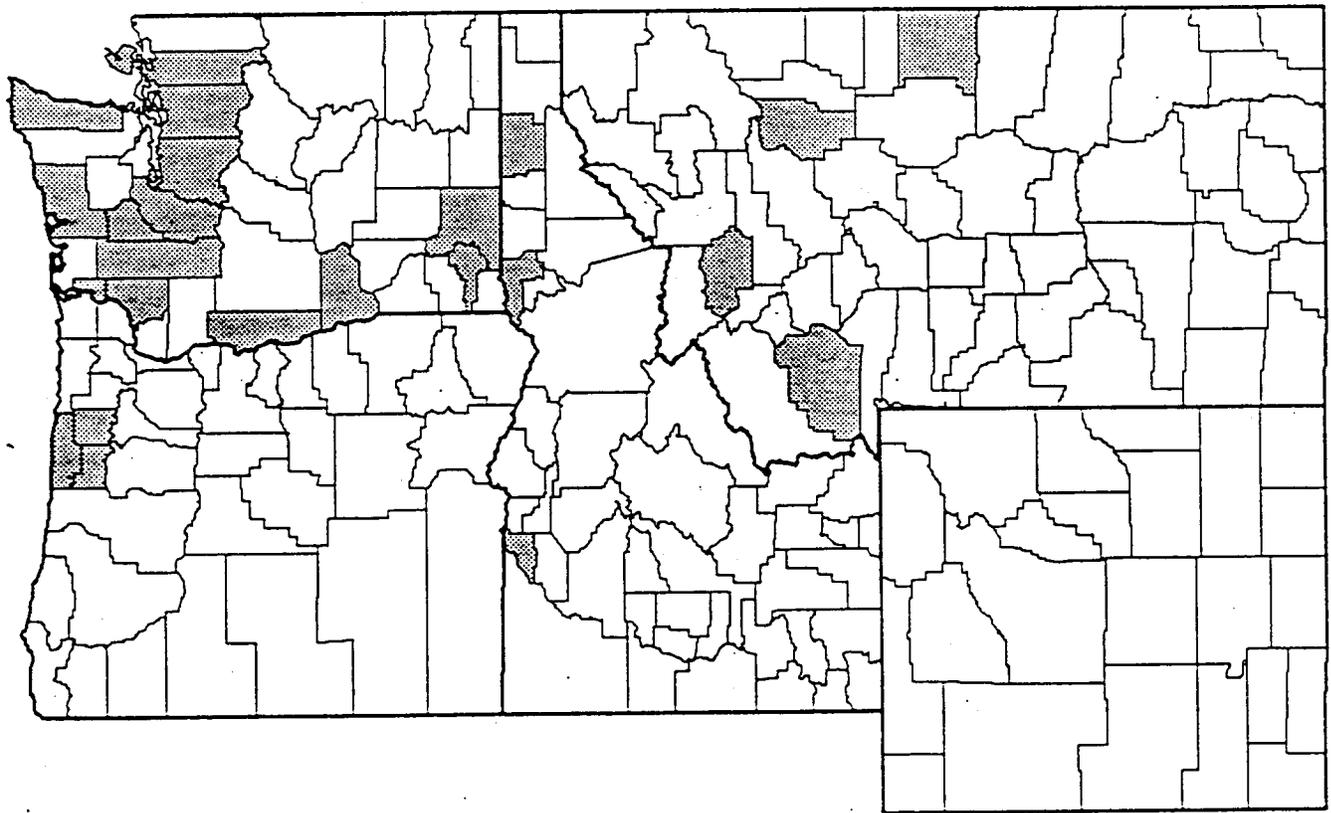
Counties reporting the exotic *Reseda lutea* (yellow mignonette), 1875-1991.



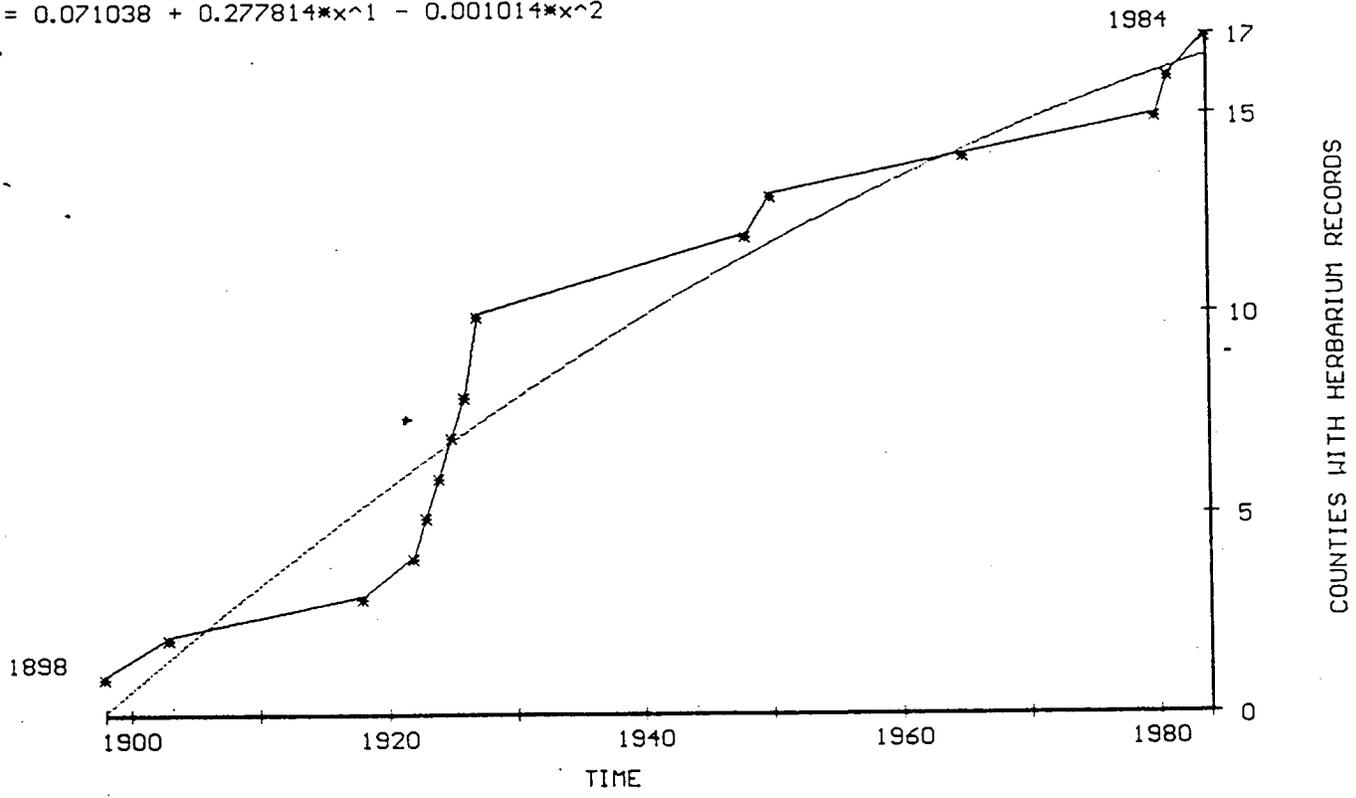
*Reseda lutea* INCREASE IN NORTHWEST STATES  
 $y = 1.020109 + 0.024058 * x^1 + 0.000410 * x^2$



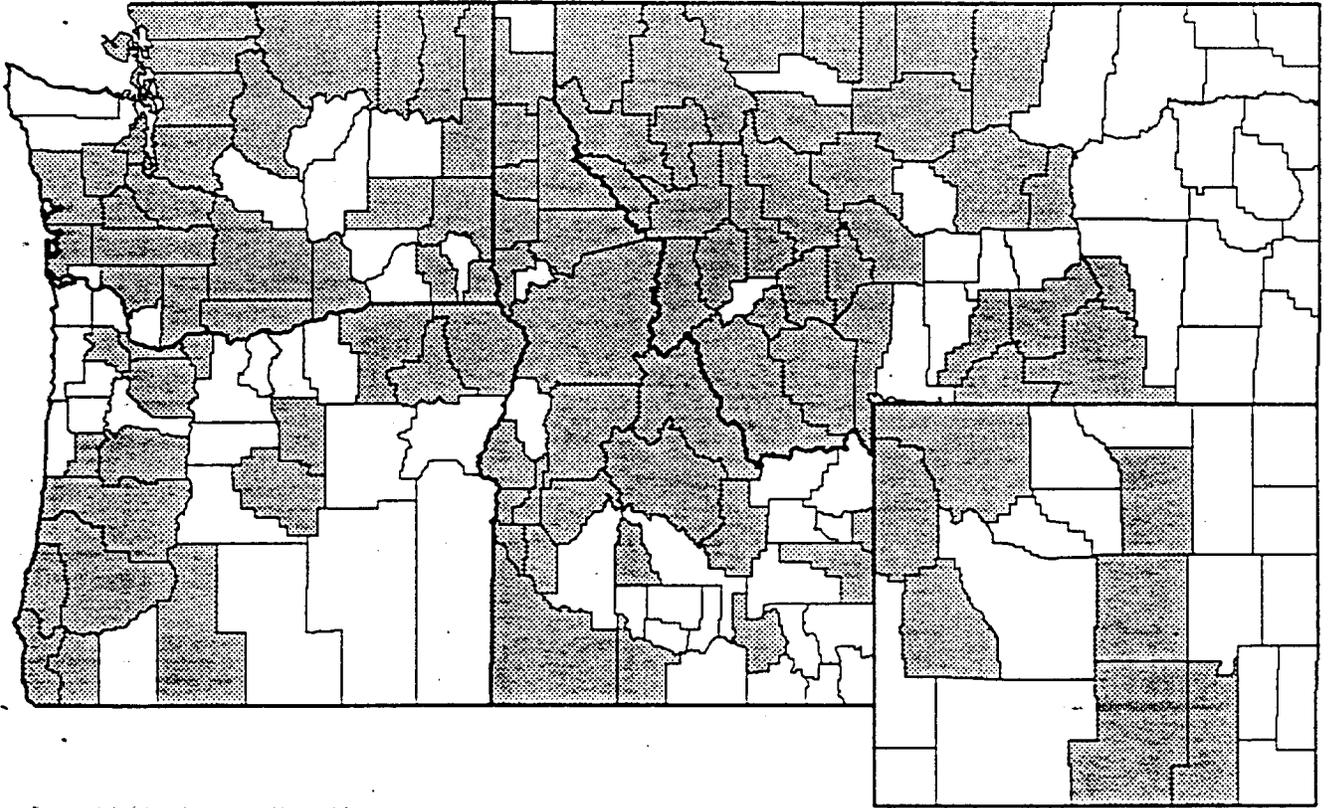
Counties reporting the exotic *Rubus laciniatus* (cutleaf blackberry), 1875-1990.



*Rubus laciniatus* INCREASE IN NORTHWEST STATES  
 $y = 0.071038 + 0.277814 * x^1 - 0.001014 * x^2$

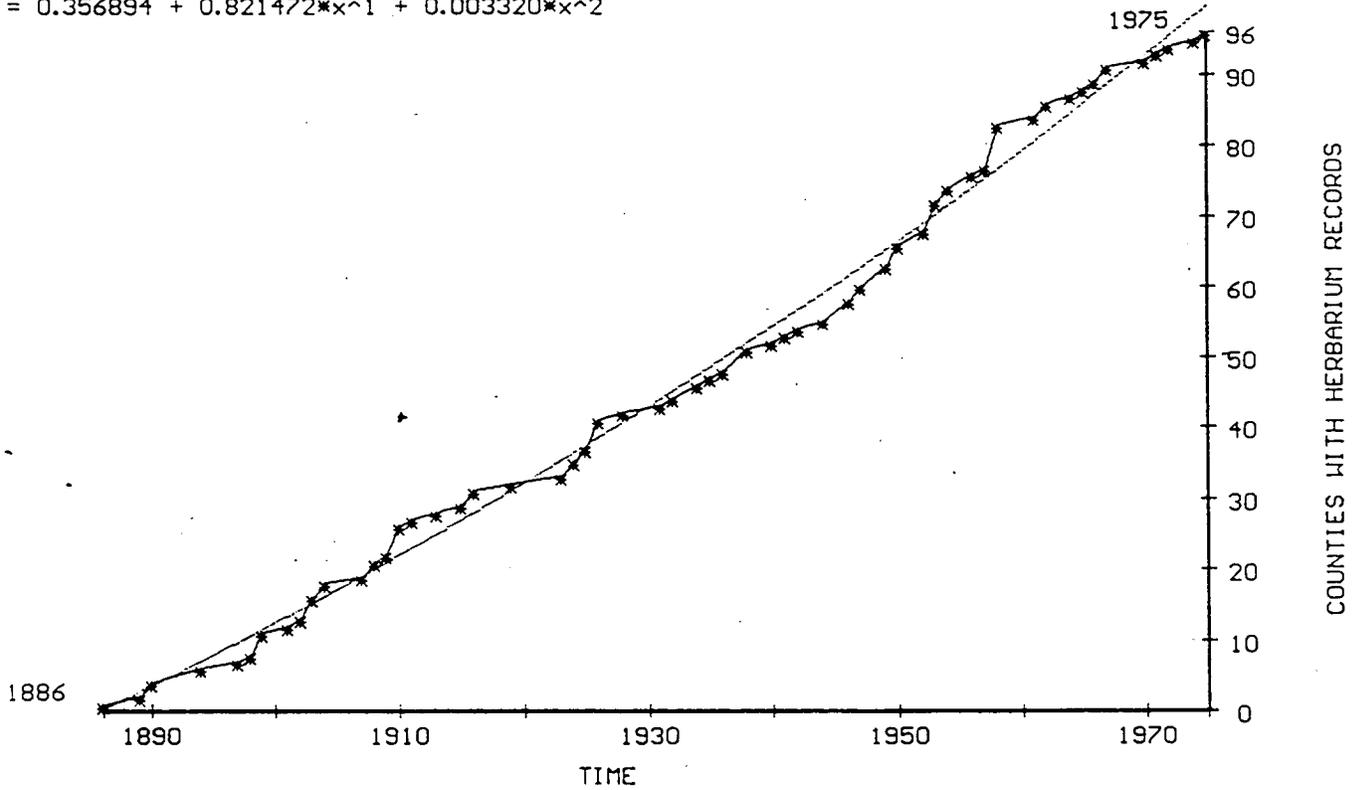


Counties reporting the exotic *Rumex acetosella* (red sorrel), 1875-1994.

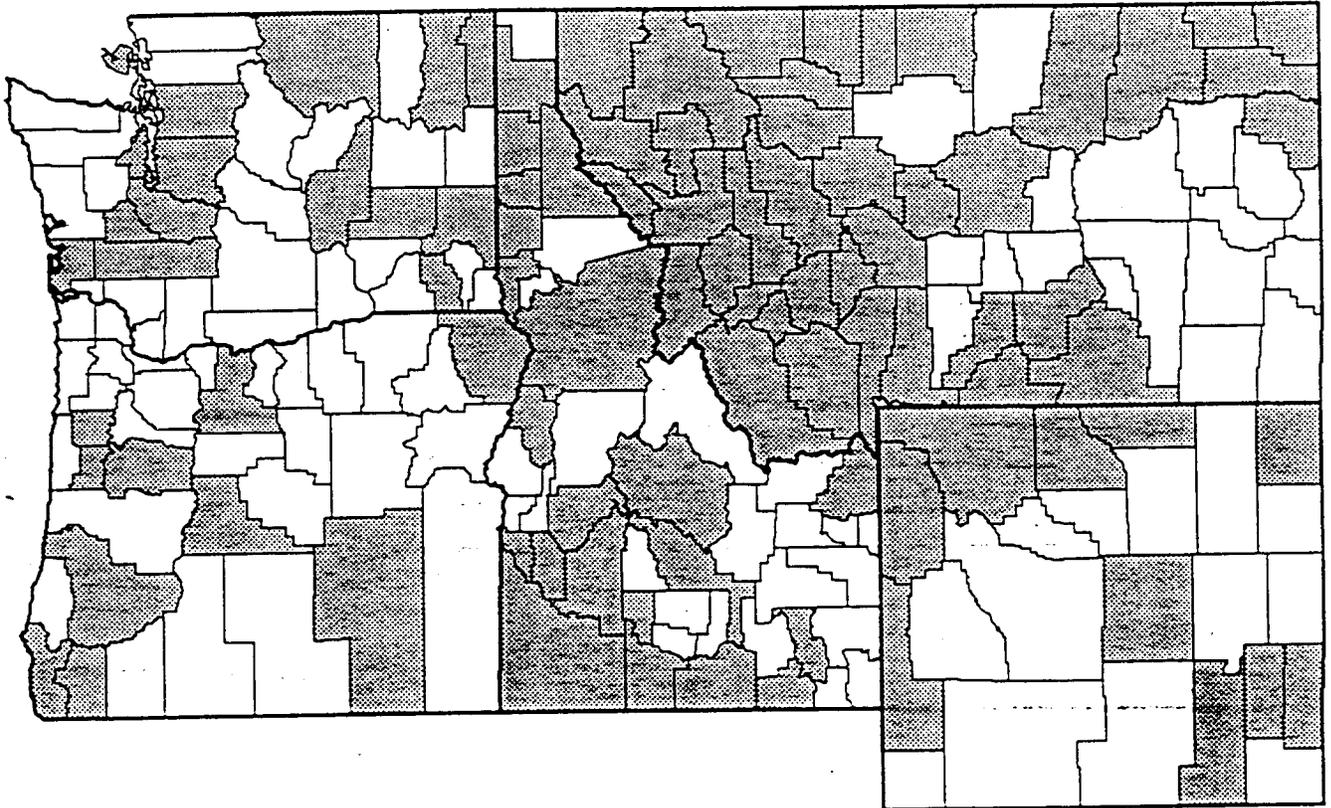


*Rumex acetosella* INCREASE IN NORTHWEST STATES

$$y = 0.356894 + 0.821472 * x^1 + 0.003320 * x^2$$

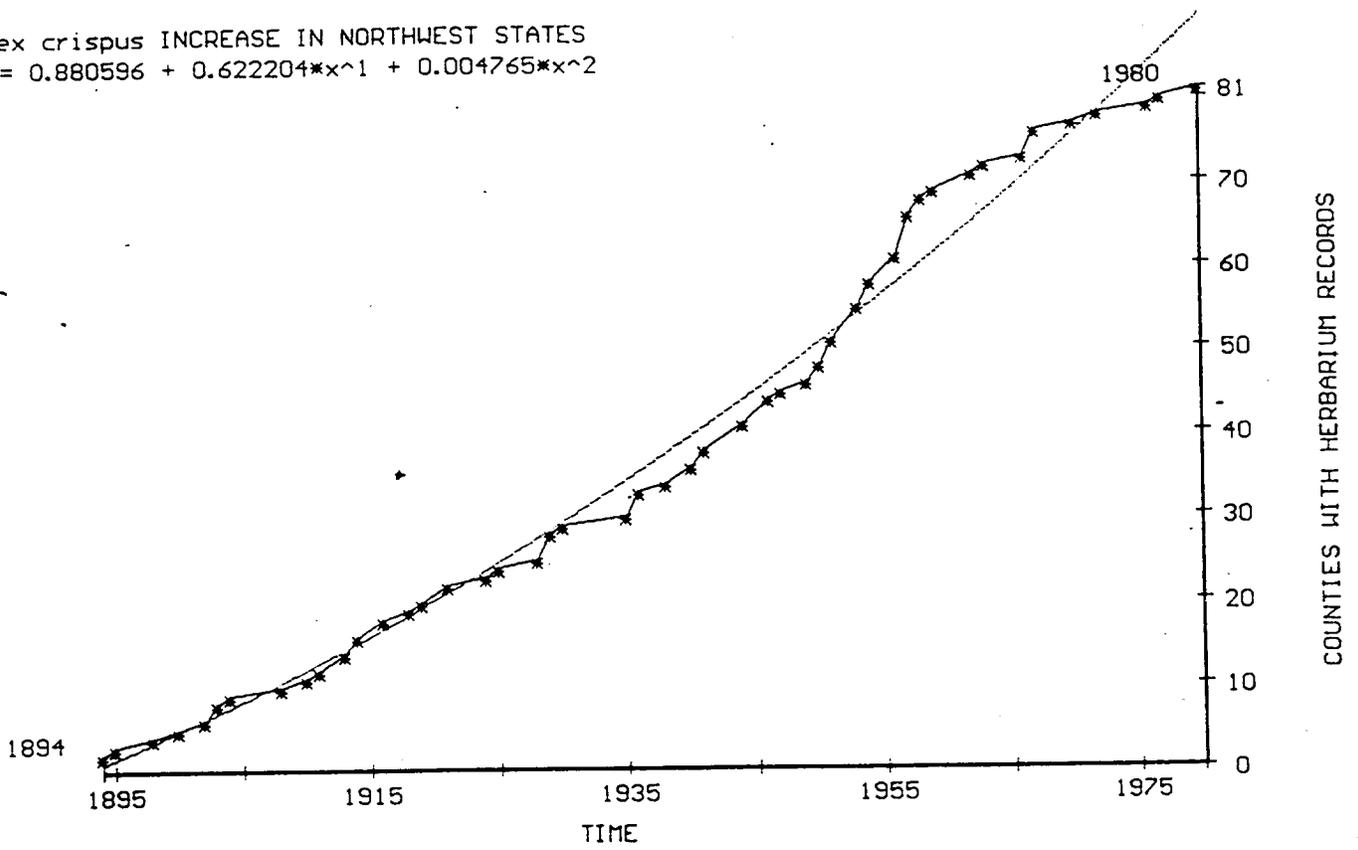


Counties reporting the exotic *Rumex crispus* (curly dock), 1875-1993.

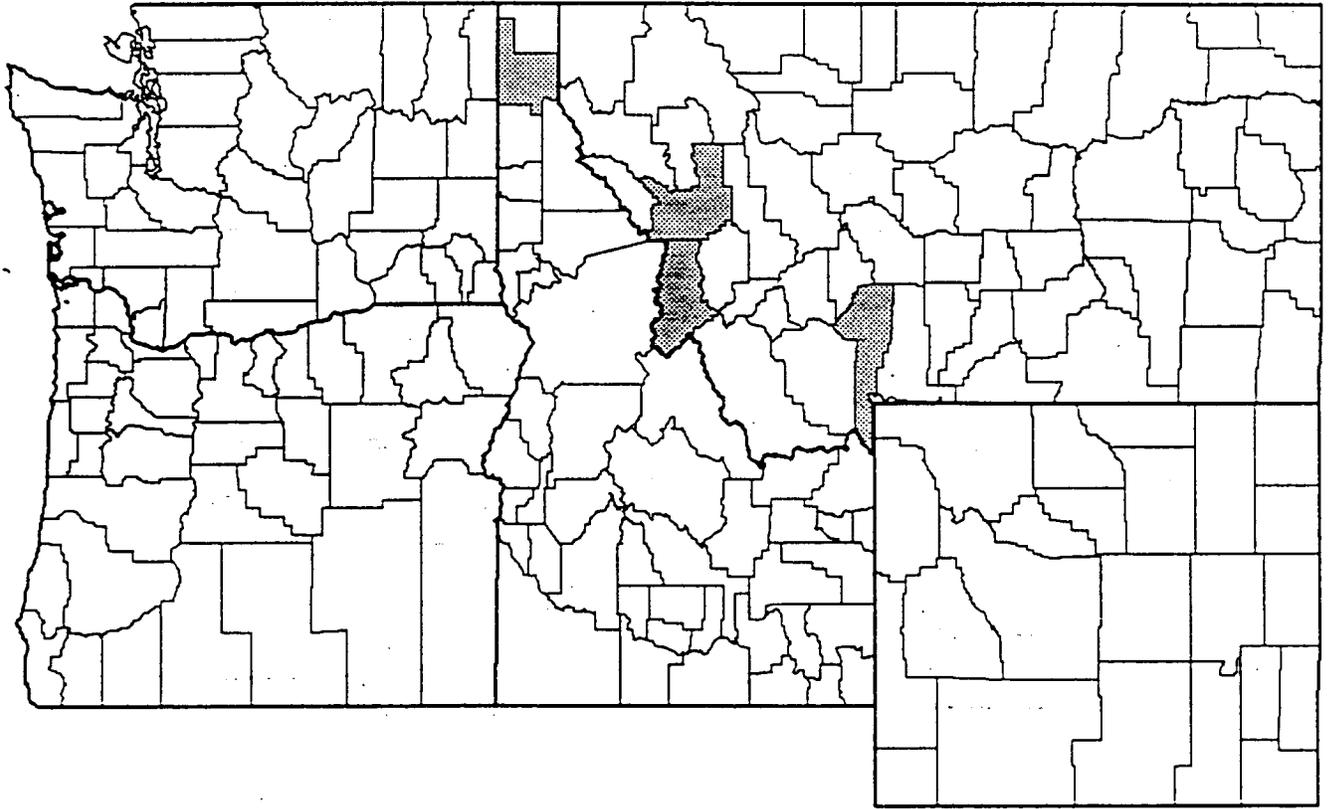


*Rumex crispus* INCREASE IN NORTHWEST STATES

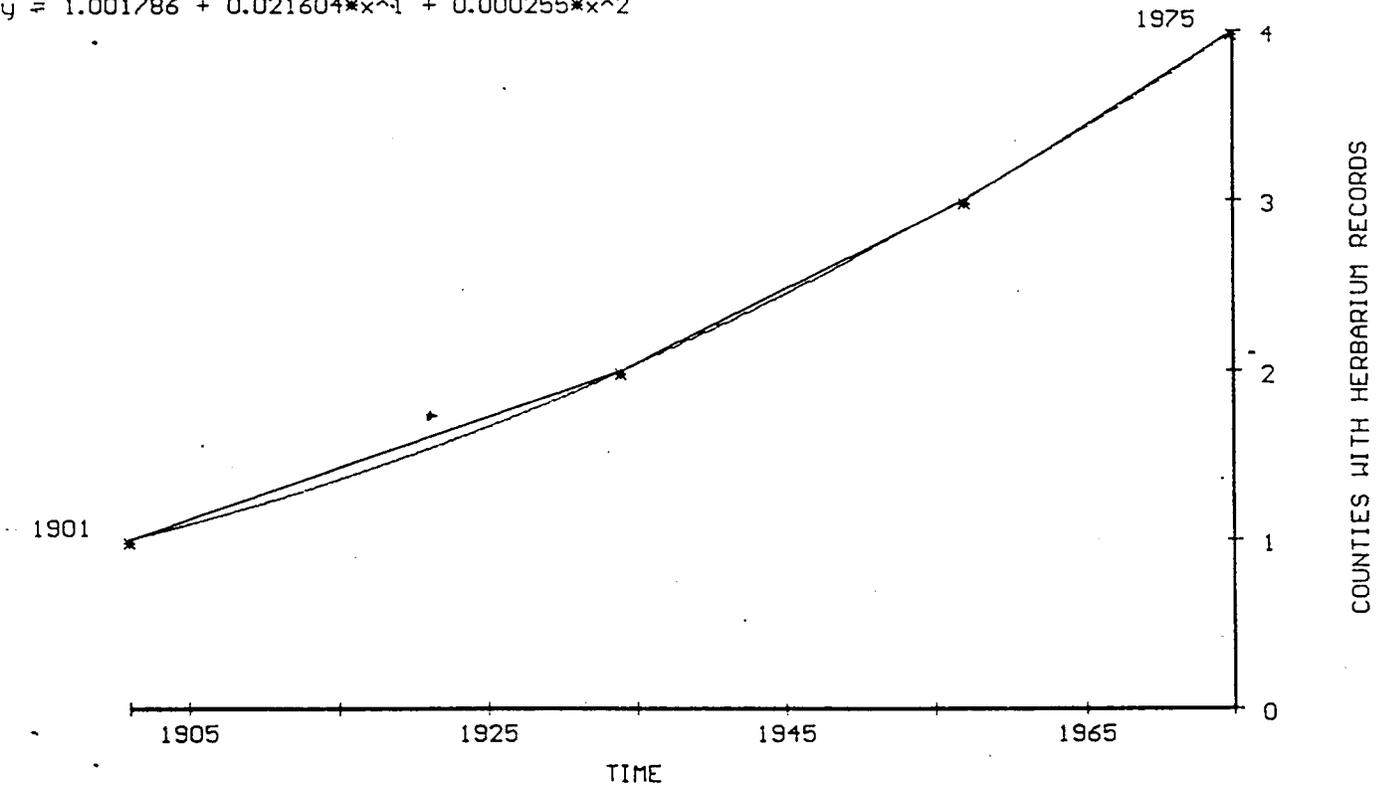
$$y = 0.880596 + 0.622204 * x^1 + 0.004765 * x^2$$



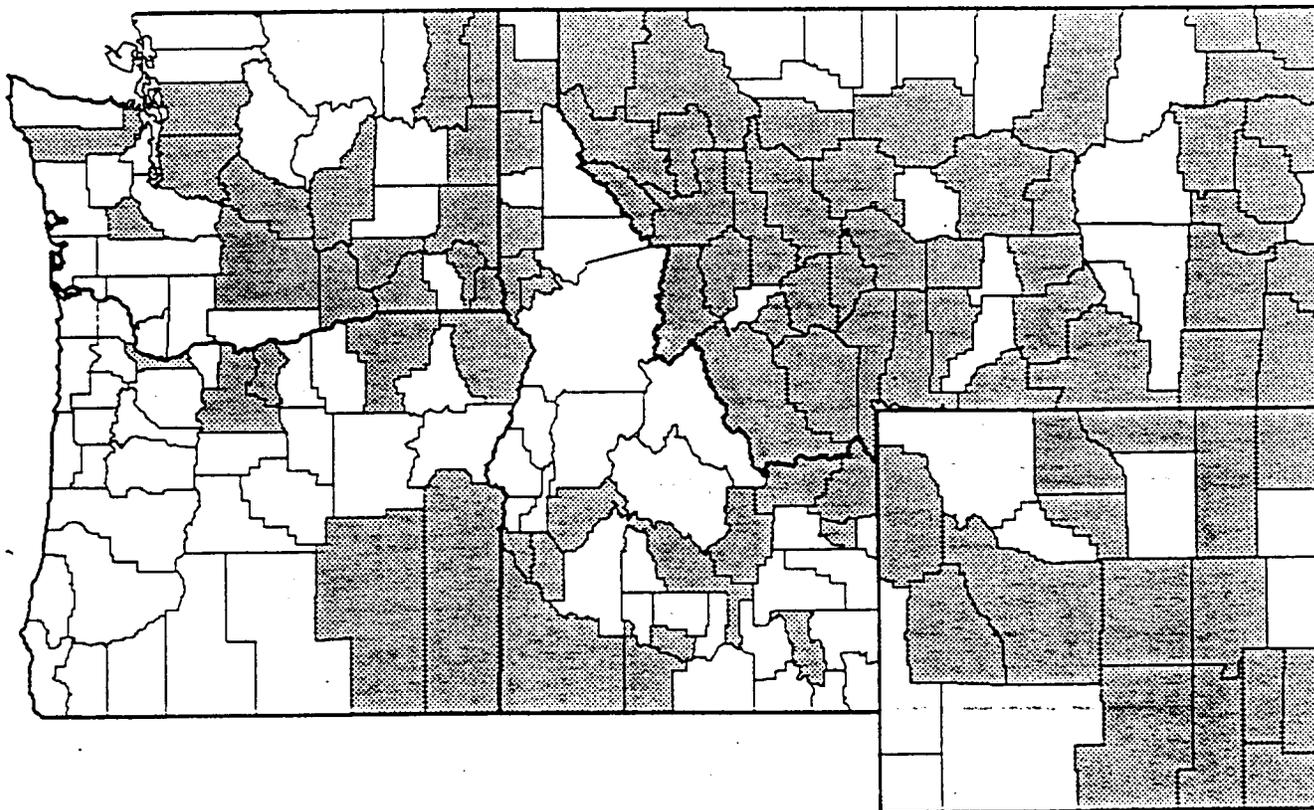
Counties reporting the exotic *Salix alba* (golden willow), 1875-1991.



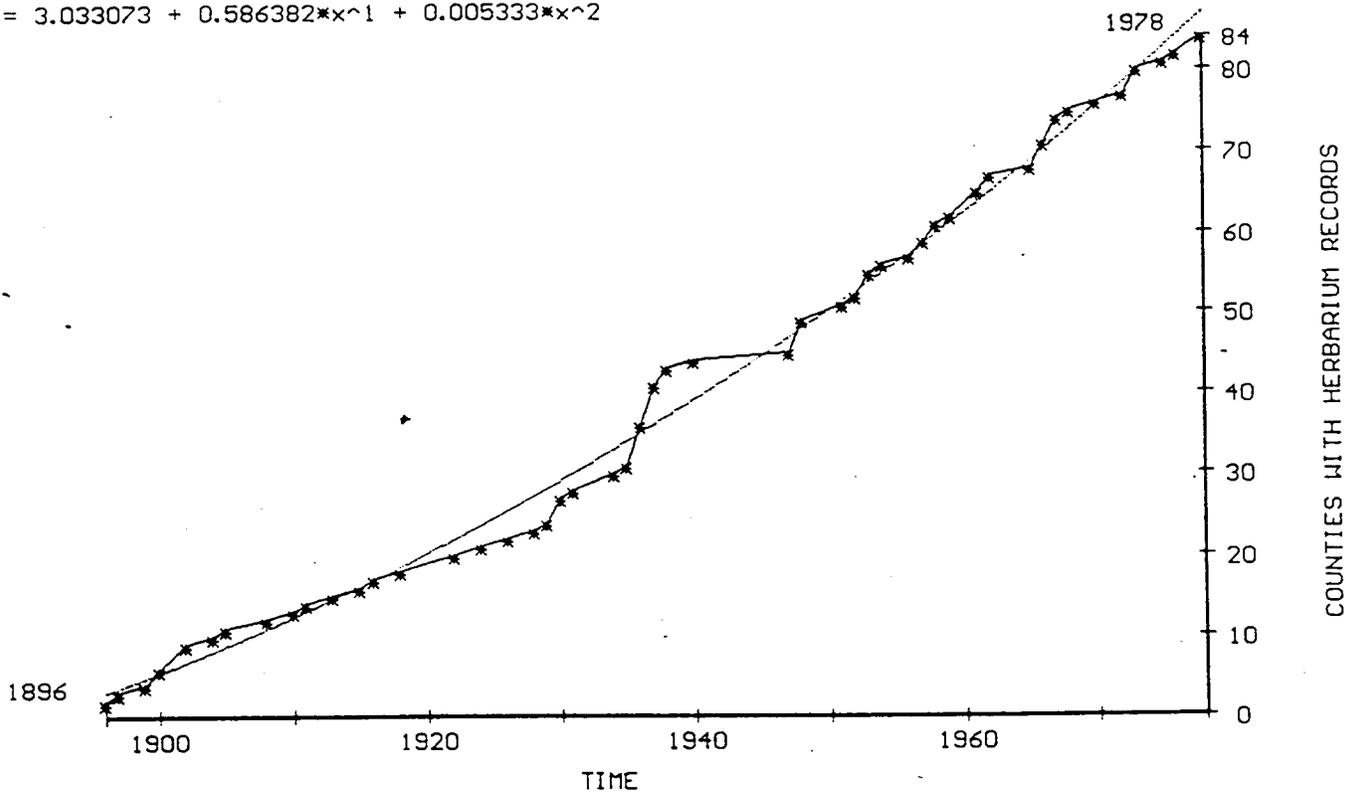
*Salix alba* INCREASE IN NORTHWEST STATES  
 $y = 1.001786 + 0.021604 * x^1 + 0.000255 * x^2$



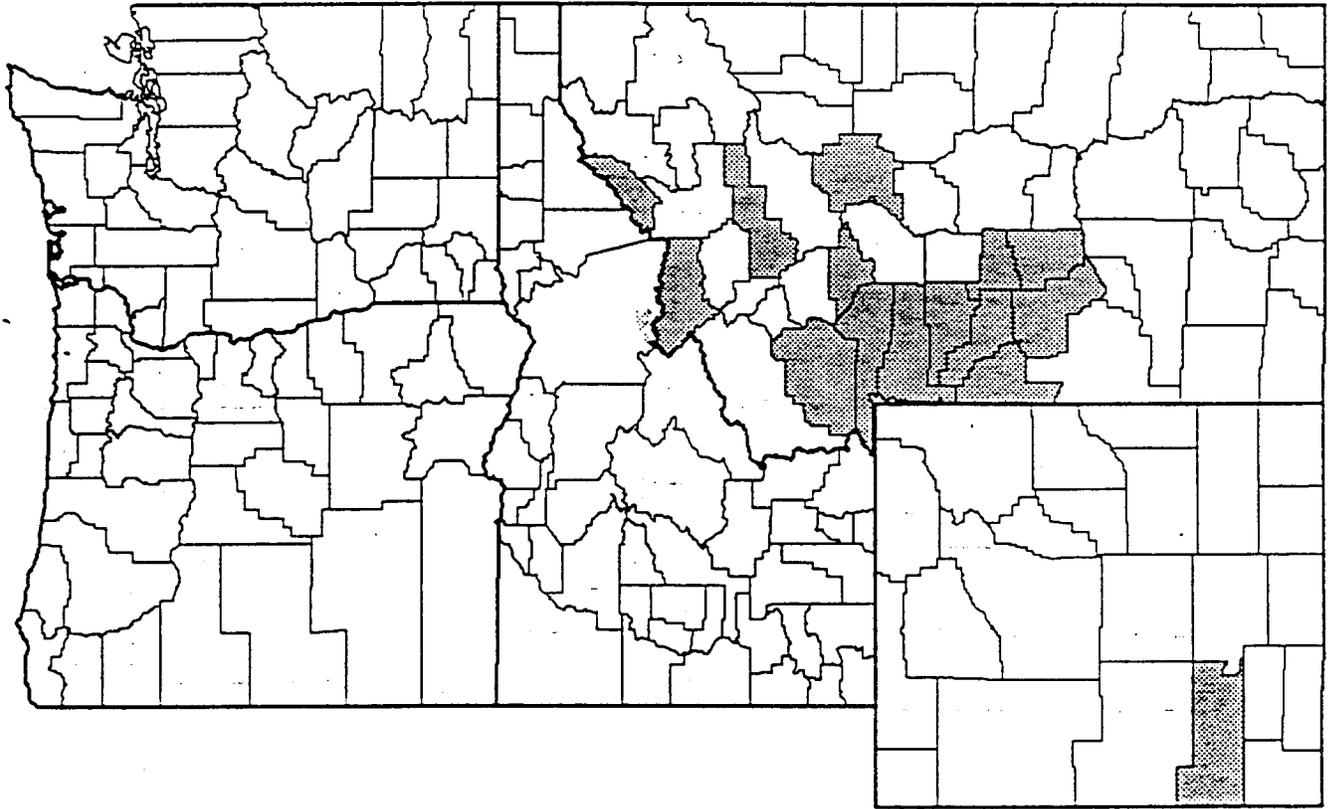
Counties reporting the exotic *Salsola iberica* (Russian thistle), 1875-1993.



*Salsola iberica* INCREASE IN NORTHWEST STATES  
 $y = 3.033073 + 0.586382 * x^1 + 0.005333 * x^2$

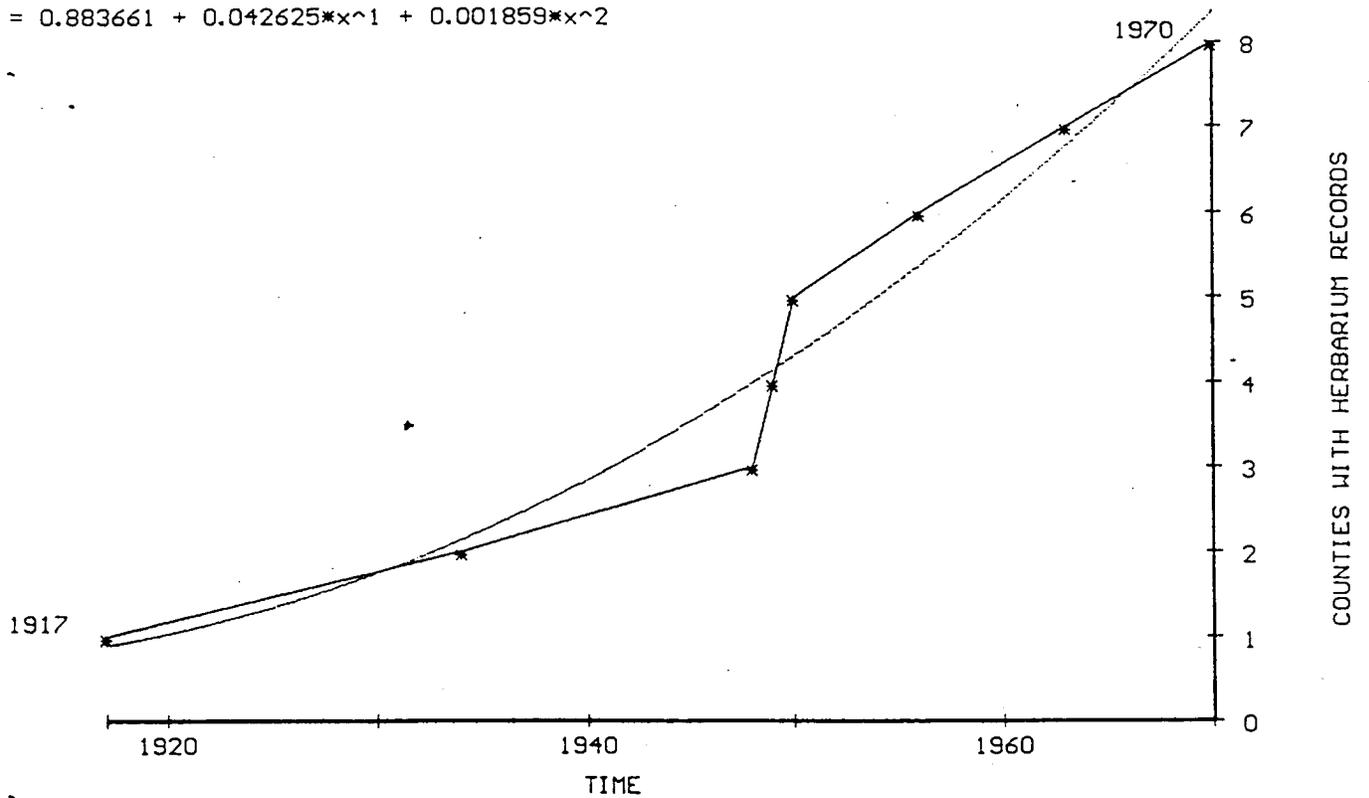


Counties reporting the exotic *Salvia nemorosa* (violet sage), 1875-1990.

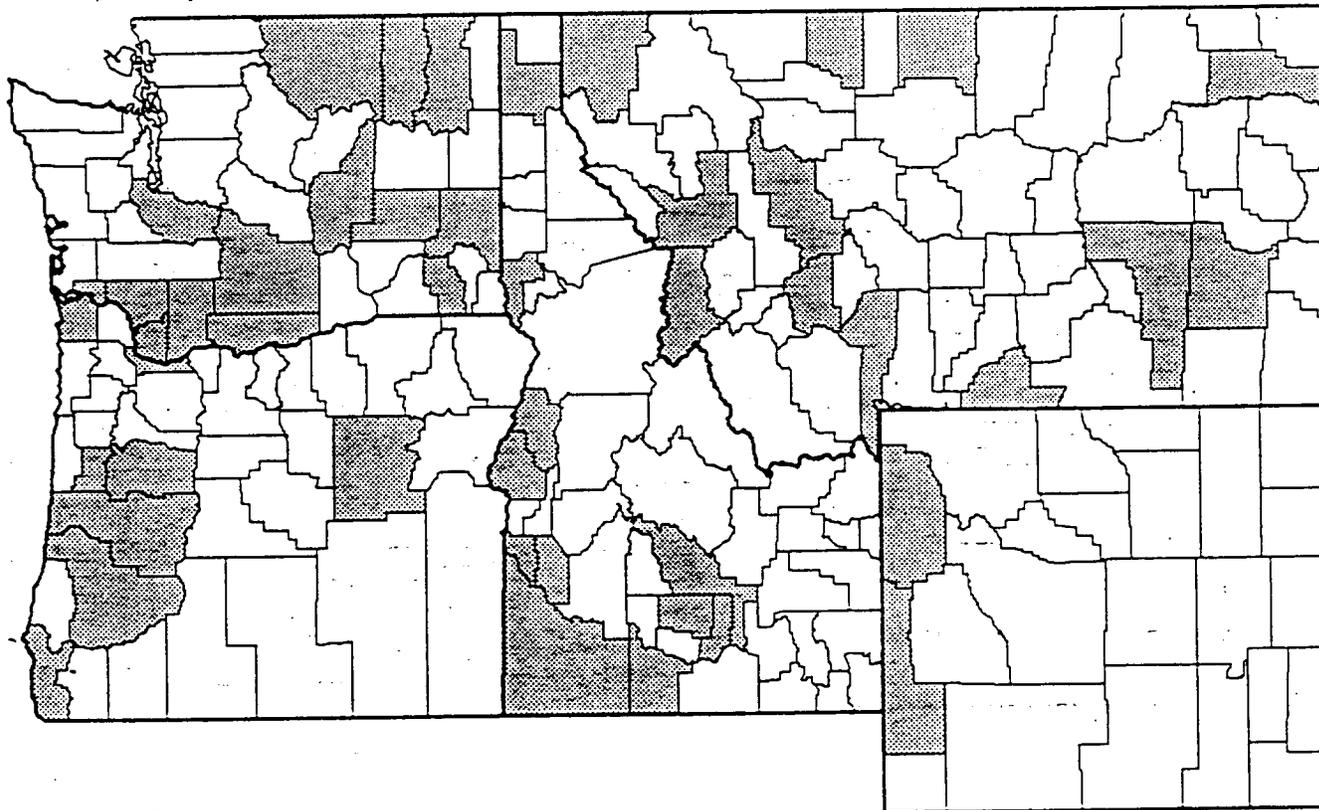


*Salvia nemorosa* INCREASE IN NORTHWEST STATES

$$y = 0.883661 + 0.042625 * x^1 + 0.001859 * x^2$$

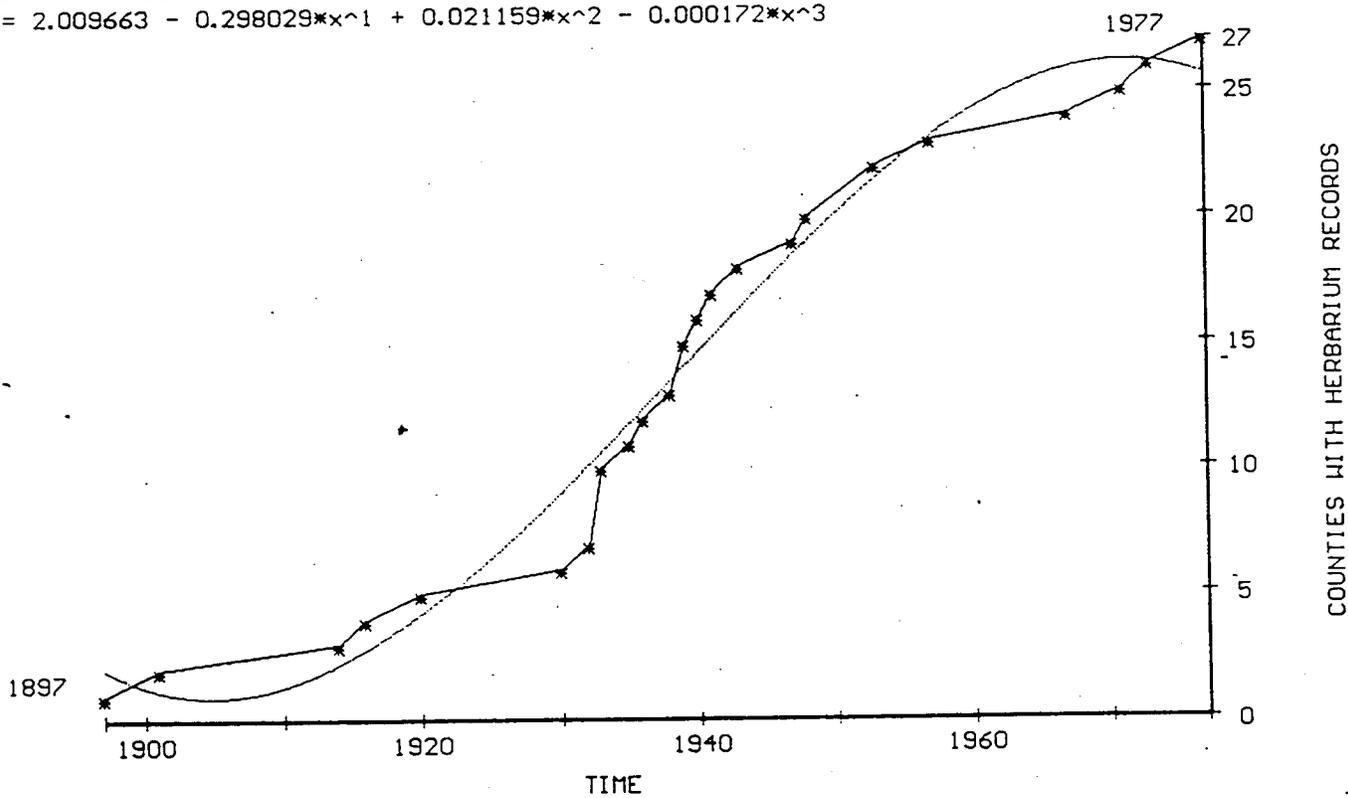


Counties reporting the exotic *Saponaria officinalis* (bouncingbet), 1875-1994.

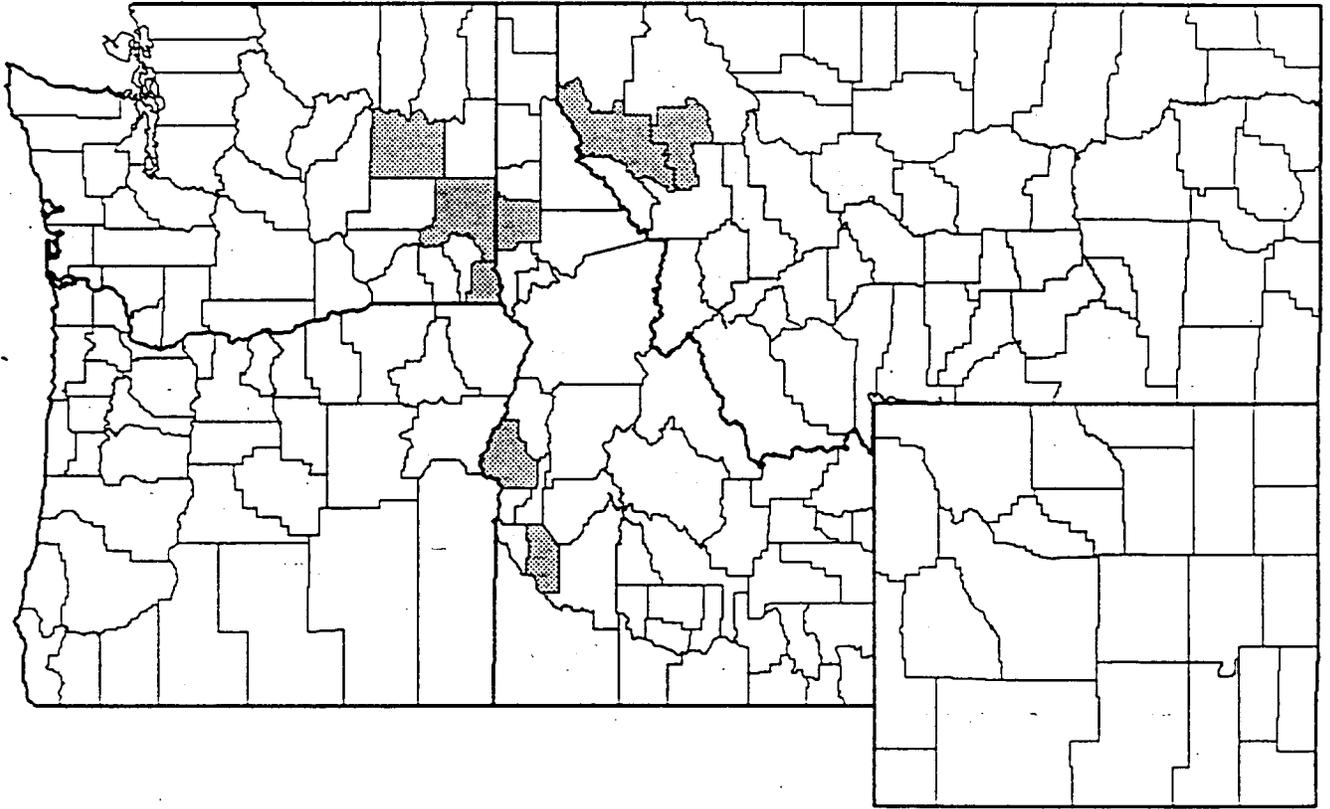


*Saponaria officinalis* INCREASE IN NORTHWEST STATES

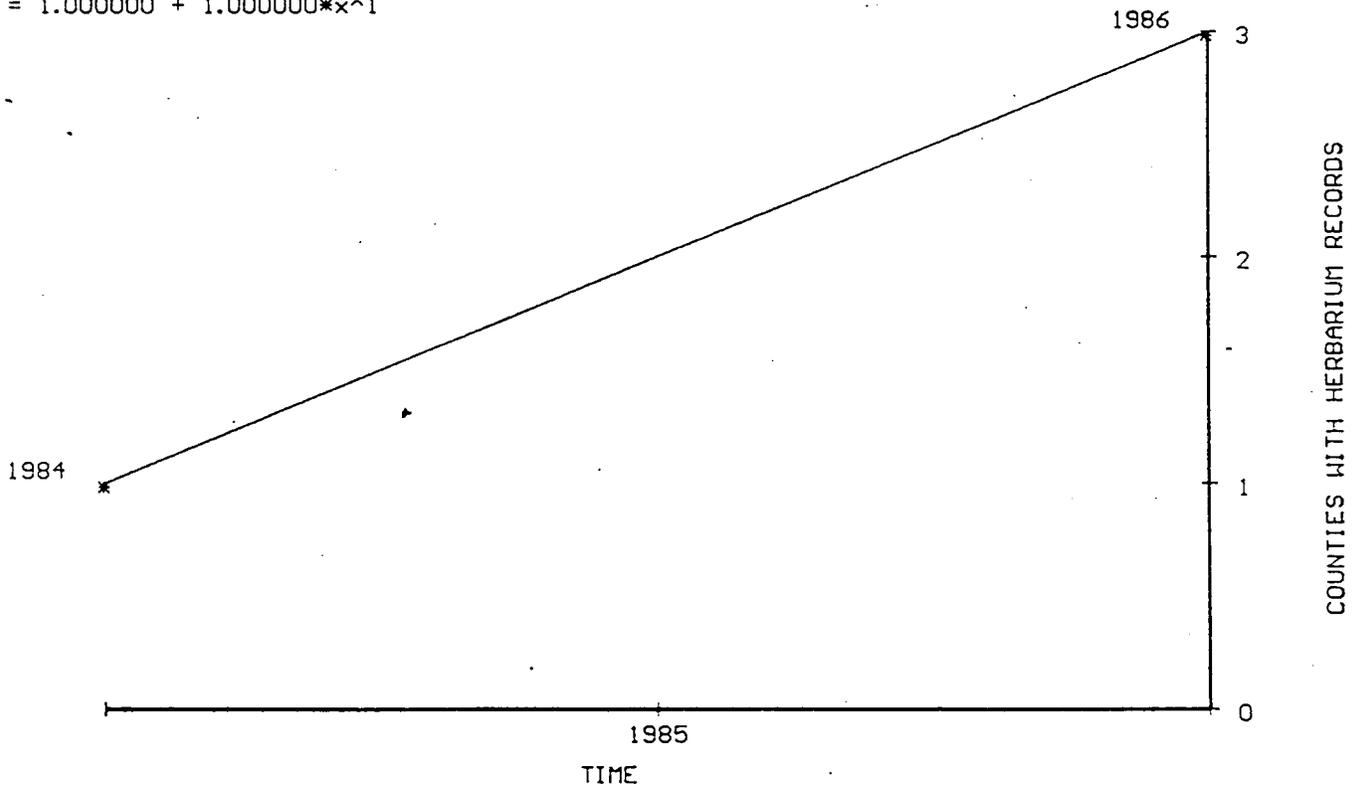
$$y = 2.009663 - 0.298029 * x^1 + 0.021159 * x^2 - 0.000172 * x^3$$



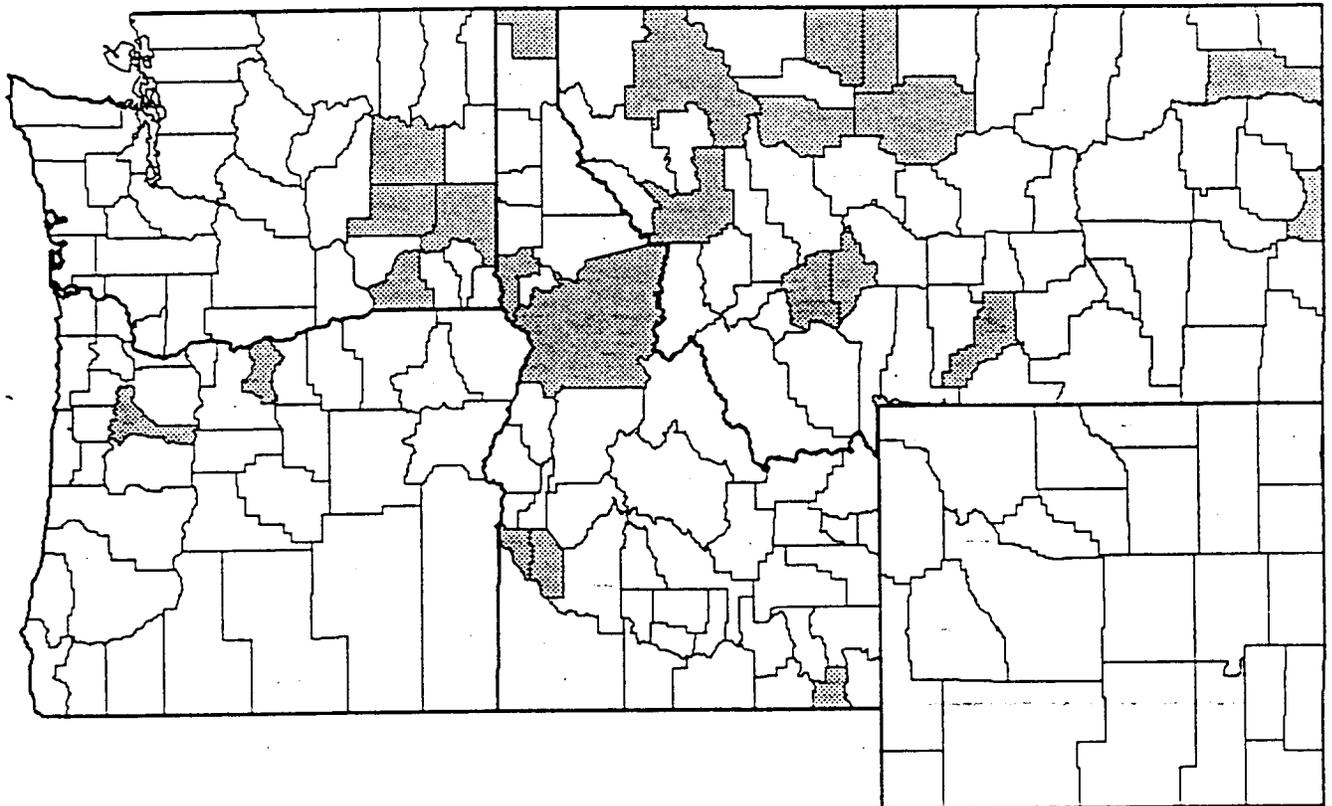
Counties reporting the exotic *Sclerochloa dura* (hardgrass), 1875-1990.



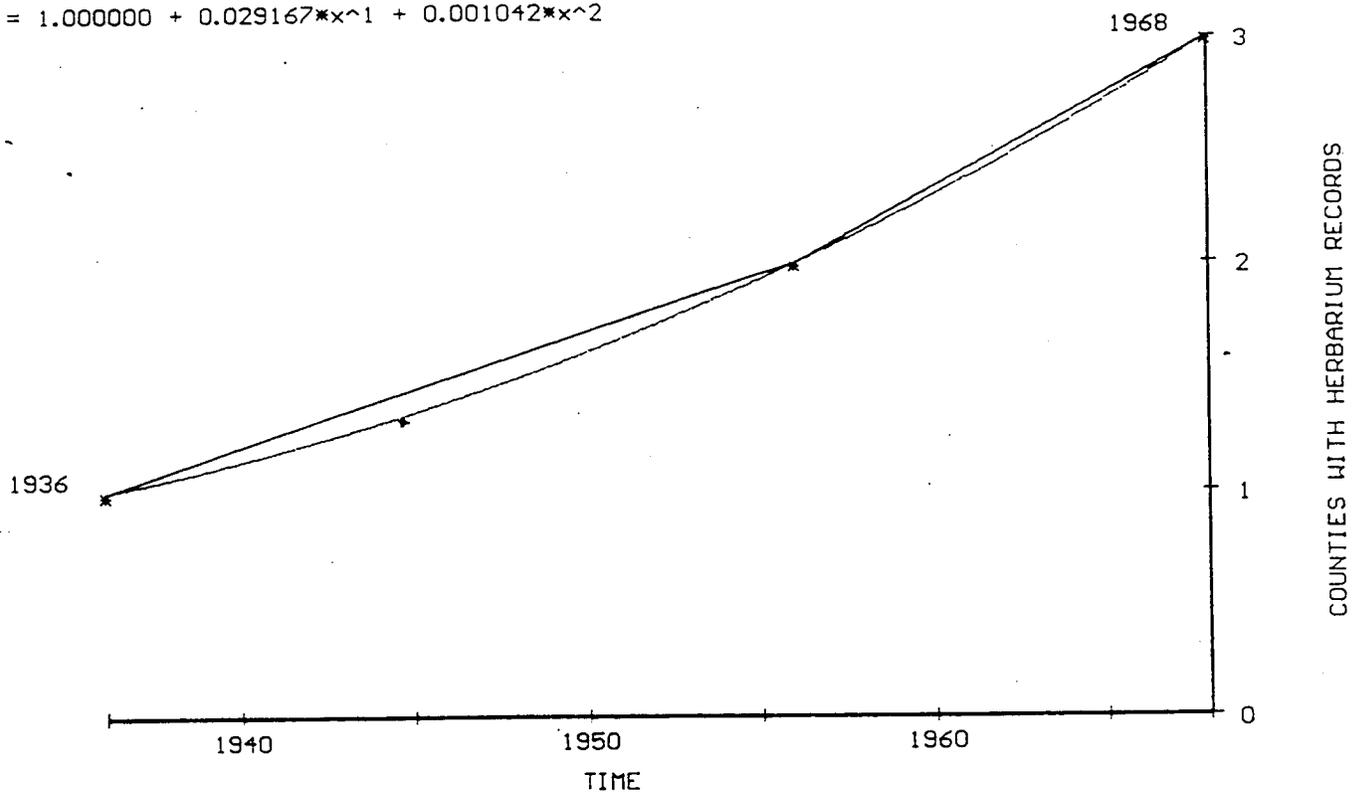
*Sclerochloa dura* INCREASE IN NORTHWEST STATES  
 $y = 1.000000 + 1.000000 * x^1$



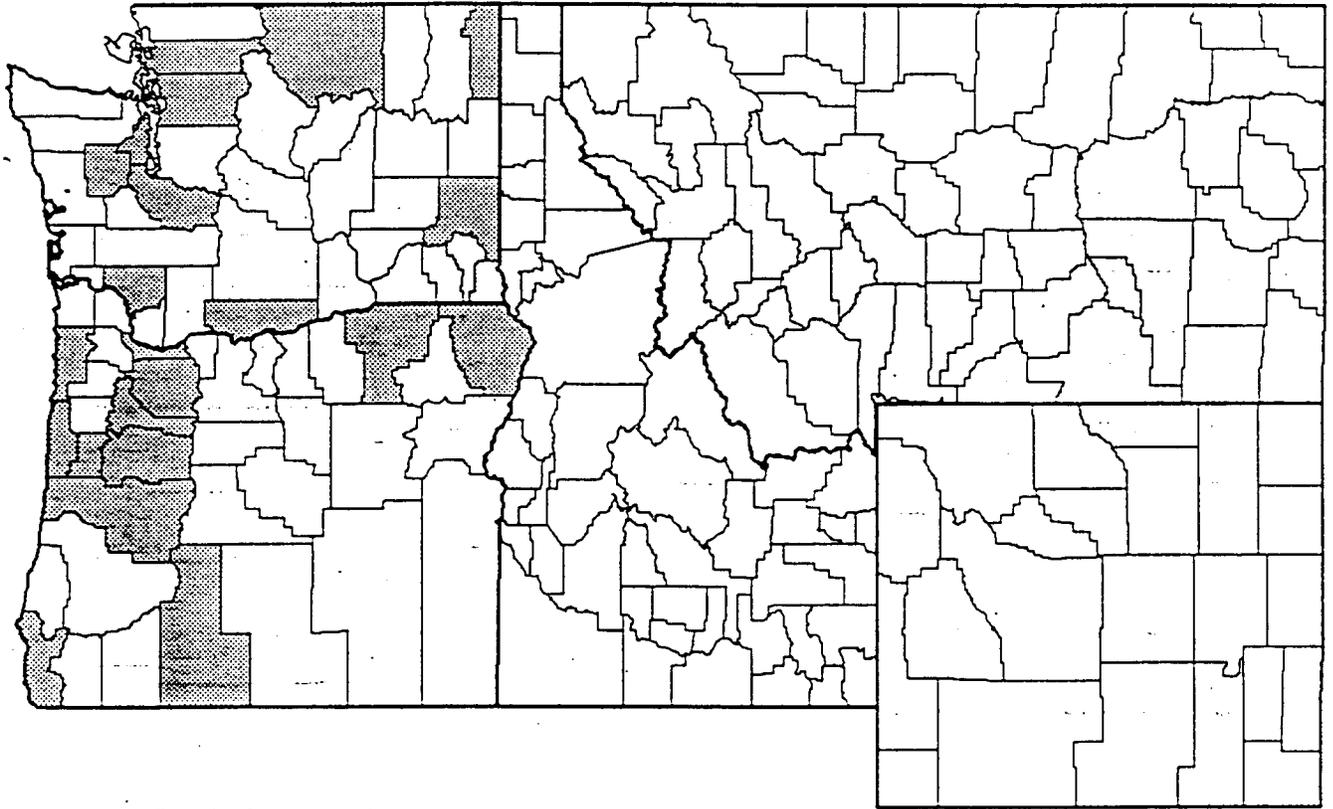
Counties reporting the exotic *Secale cereale* (cultivated rye), 1875-1994.



*Secale cereale* INCREASE IN NORTHWEST STATES  
 $y = 1.000000 + 0.029167 * x^1 + 0.001042 * x^2$

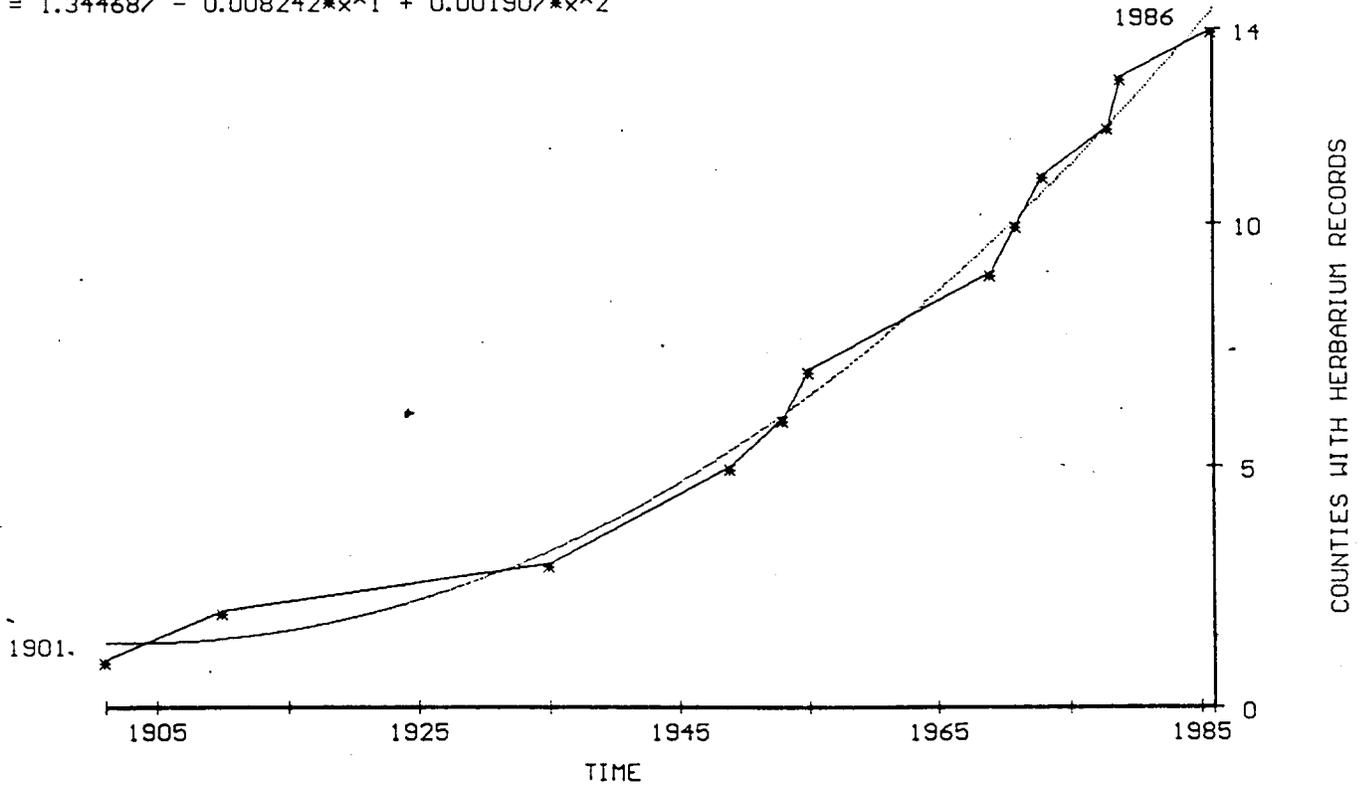


Counties reporting the exotic *Senecio jacobaea* (tansy ragwort), 1875-1993.

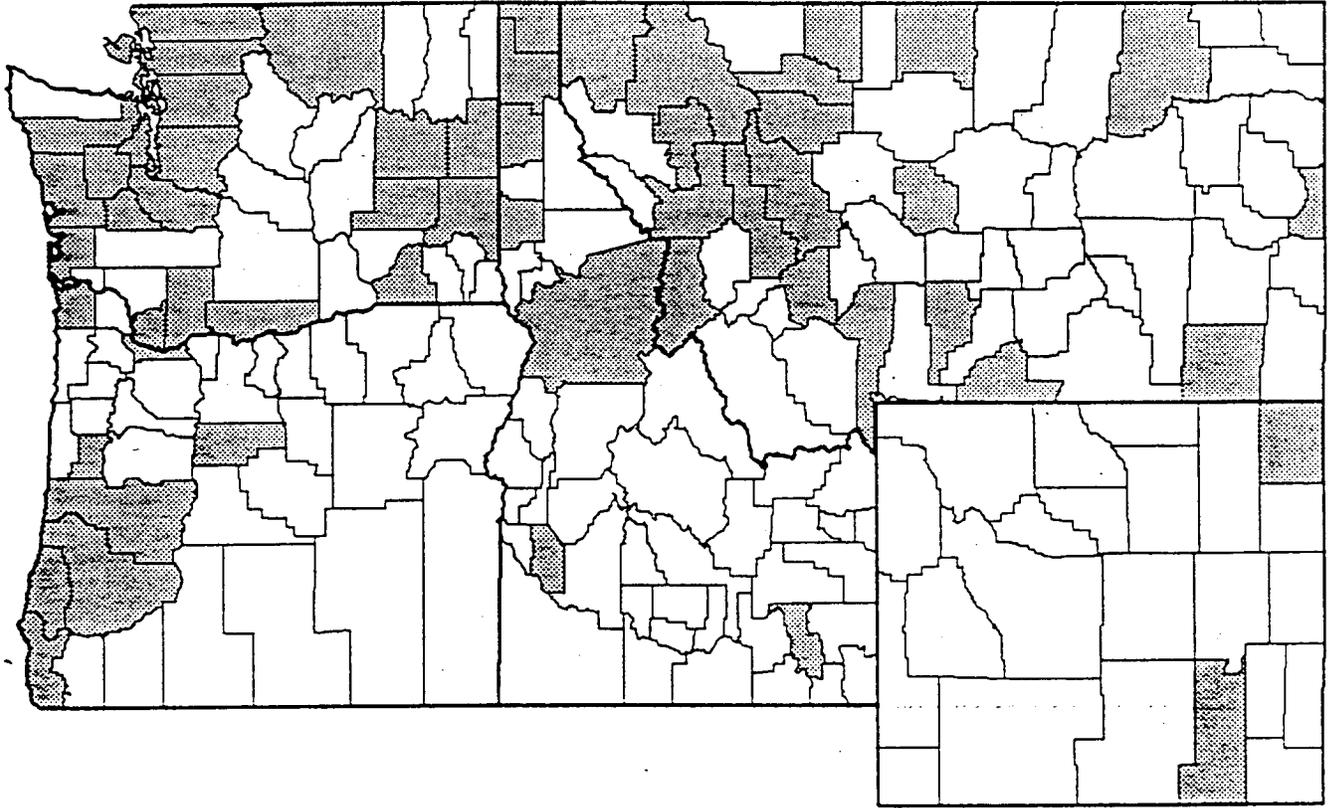


*Senecio jacobaea* INCREASE IN NORTHWEST STATES

$$y = 1.344687 - 0.008242 * x^1 + 0.001907 * x^2$$

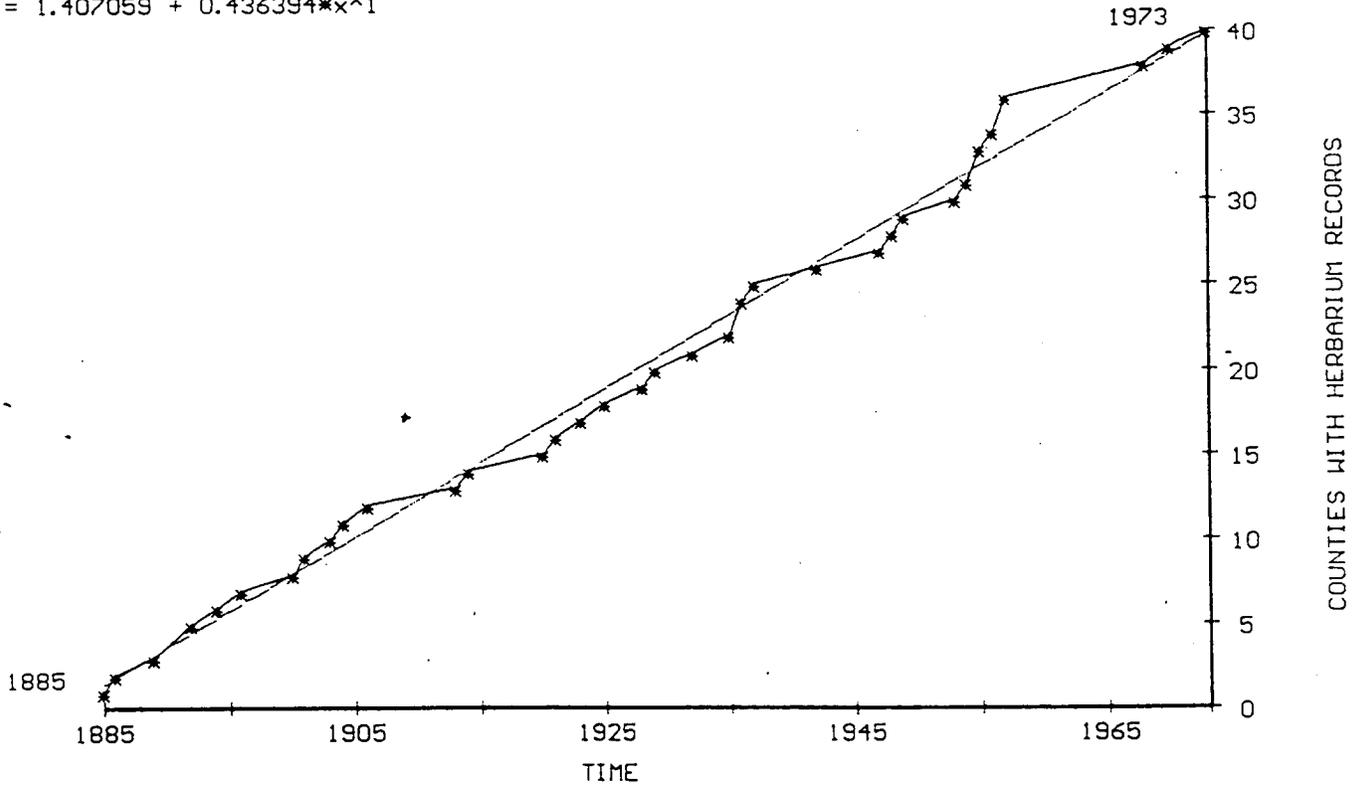


Counties reporting the exotic *Senecio vulgaris* (common groundsel), 1875-1993.

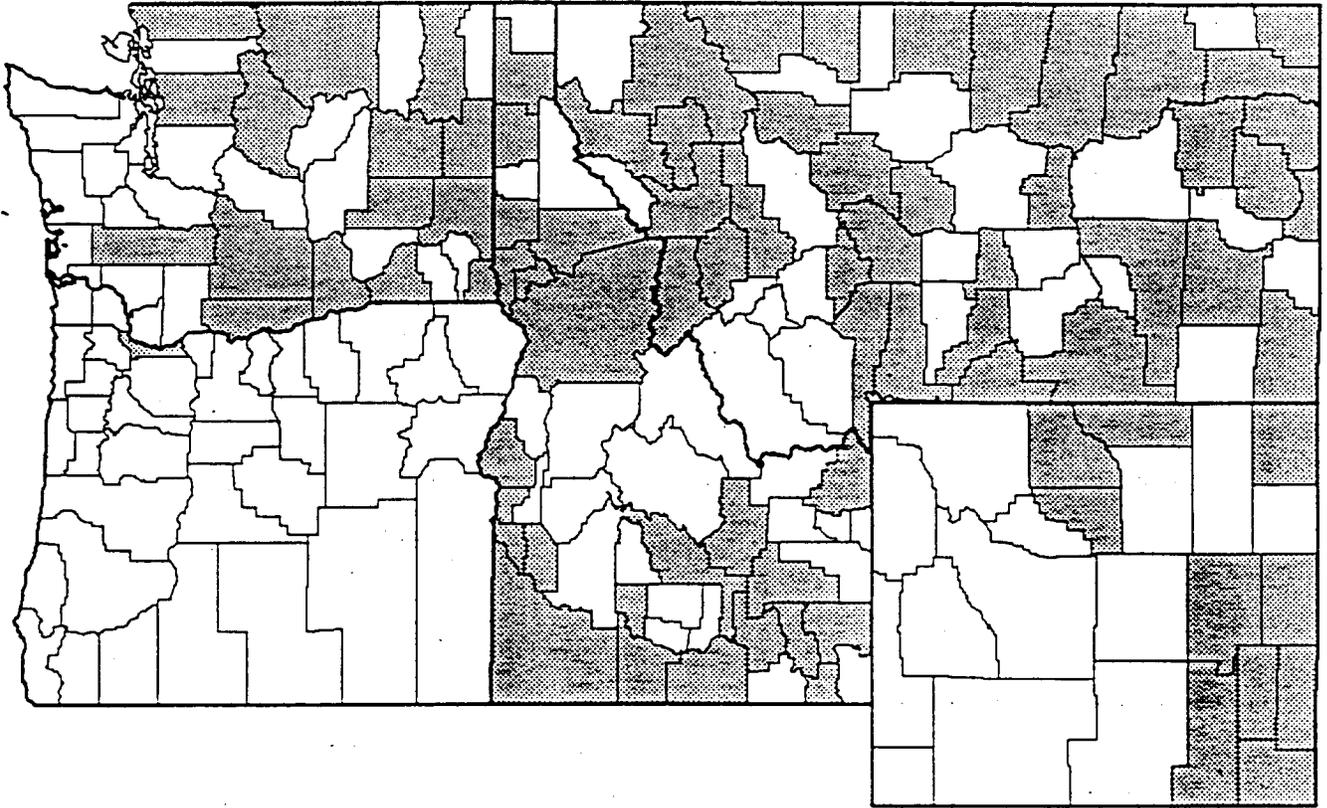


*Senecio vulgaris* INCREASE IN NORTHWEST STATES

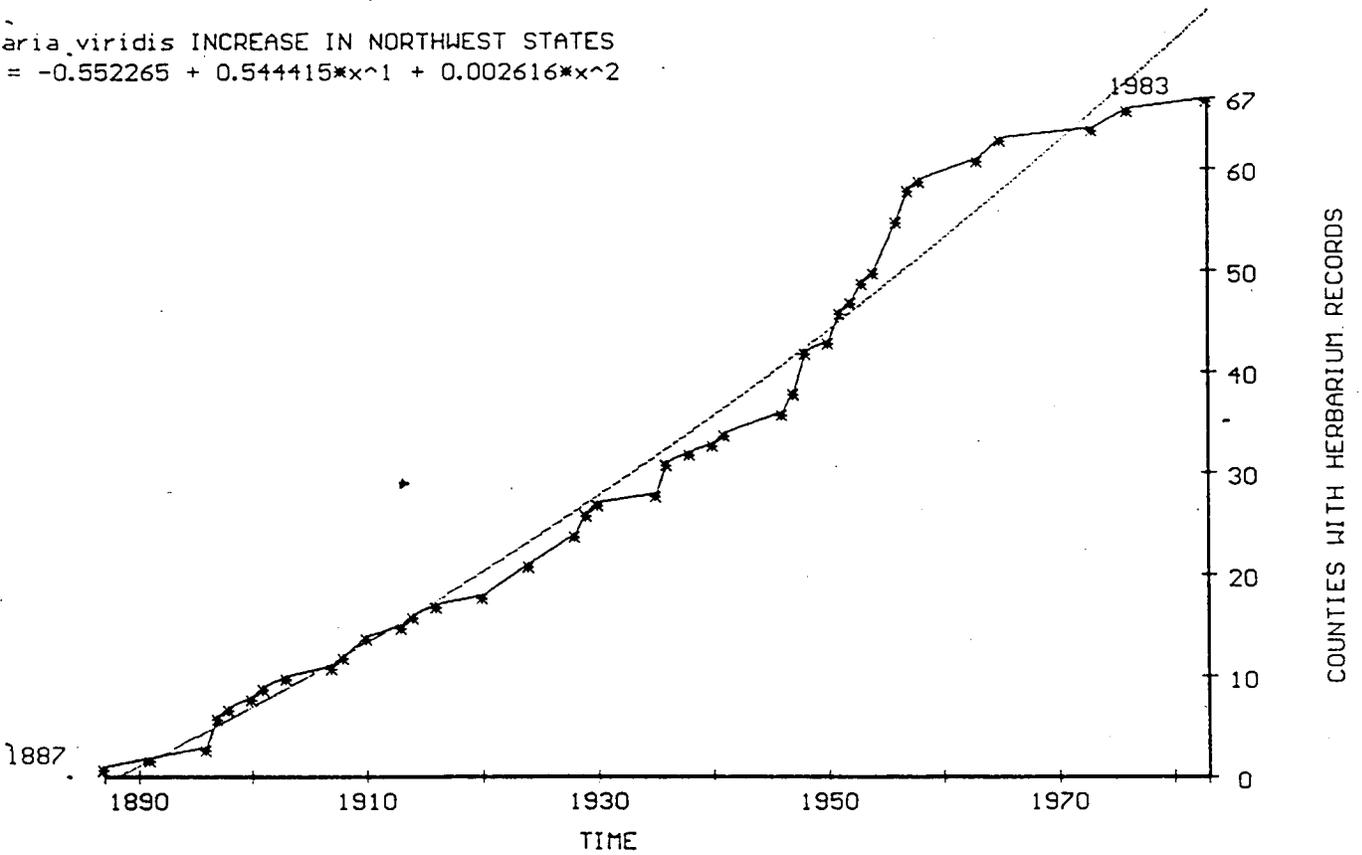
$$y = 1.407059 + 0.436394 * x^1$$



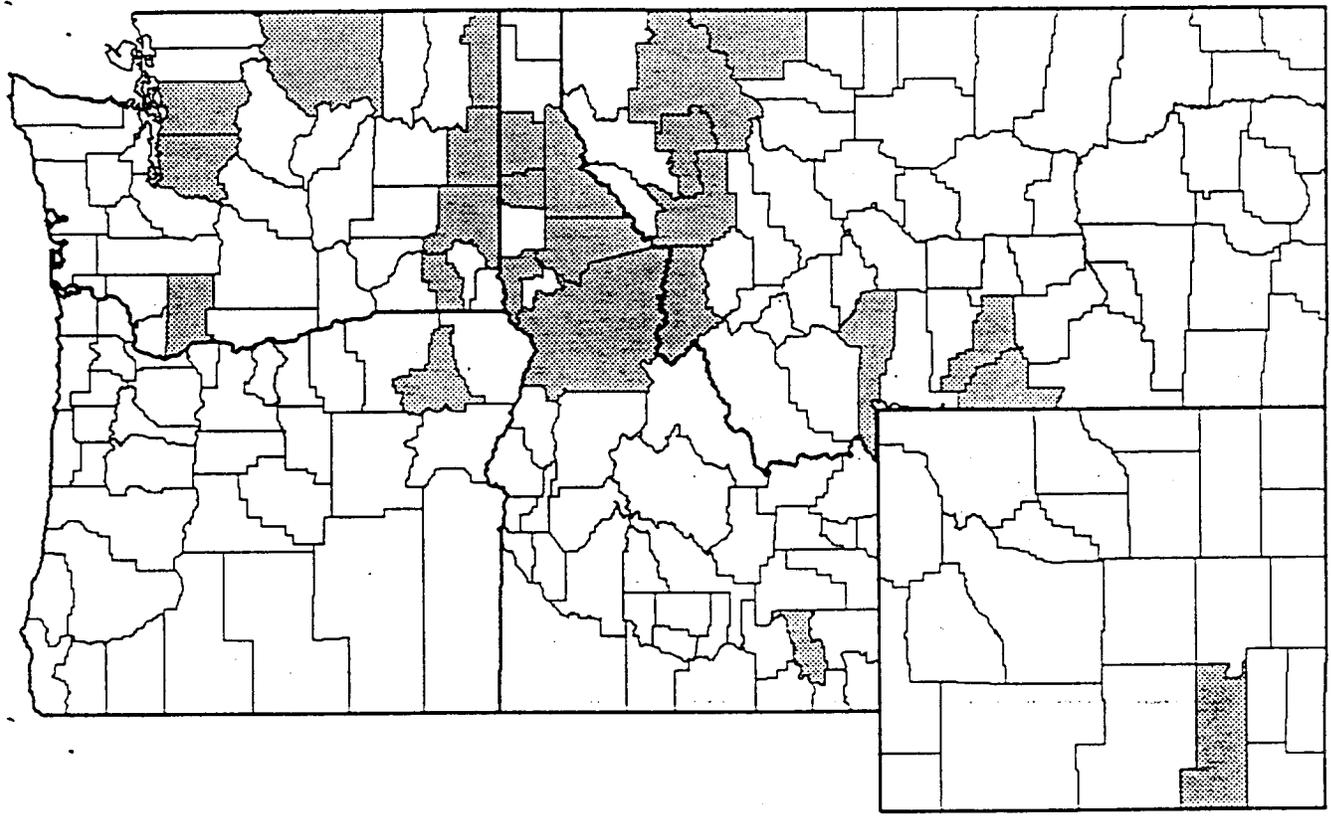
Counties reporting the exotic *Setaria viridis* (green foxtail), 1875-1993.



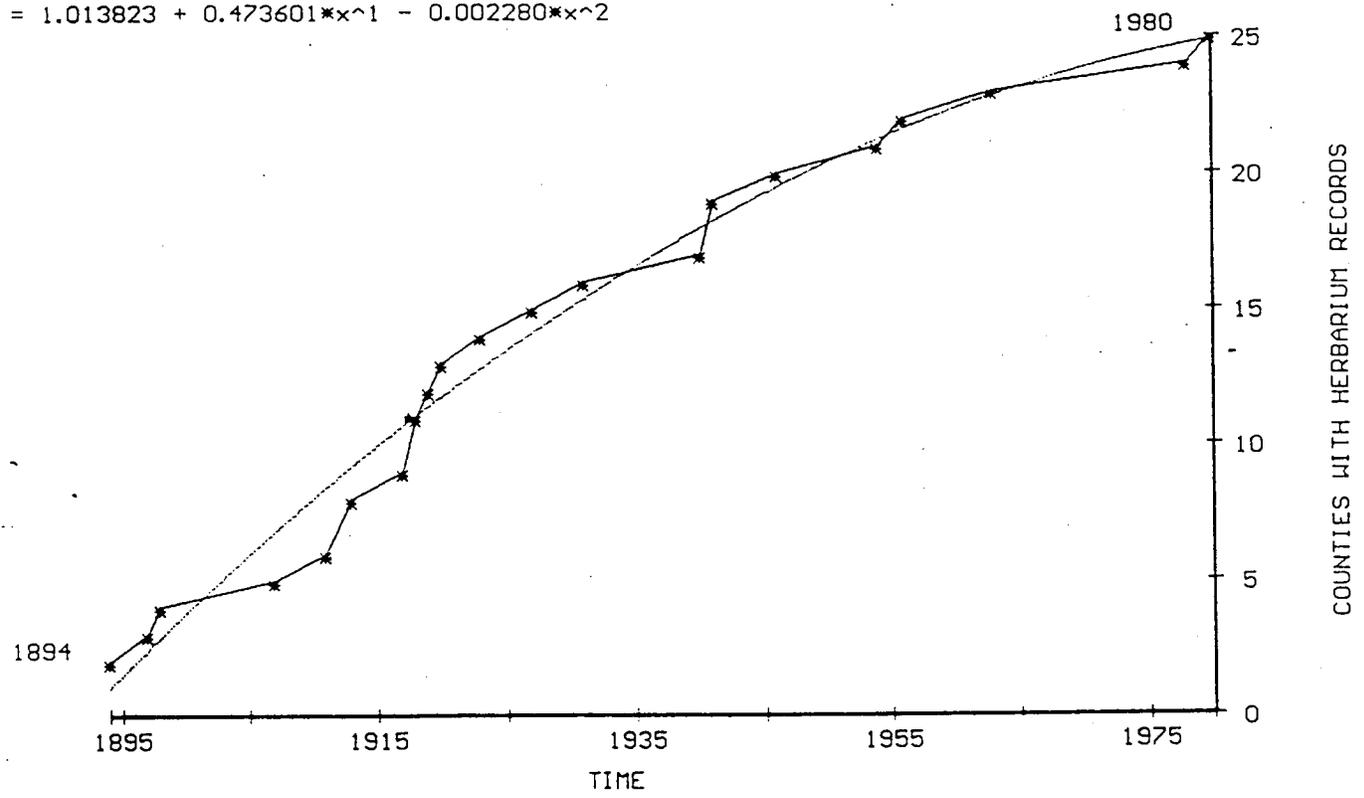
*Setaria viridis* INCREASE IN NORTHWEST STATES  
 $y = -0.552265 + 0.544415 * x^1 + 0.002616 * x^2$



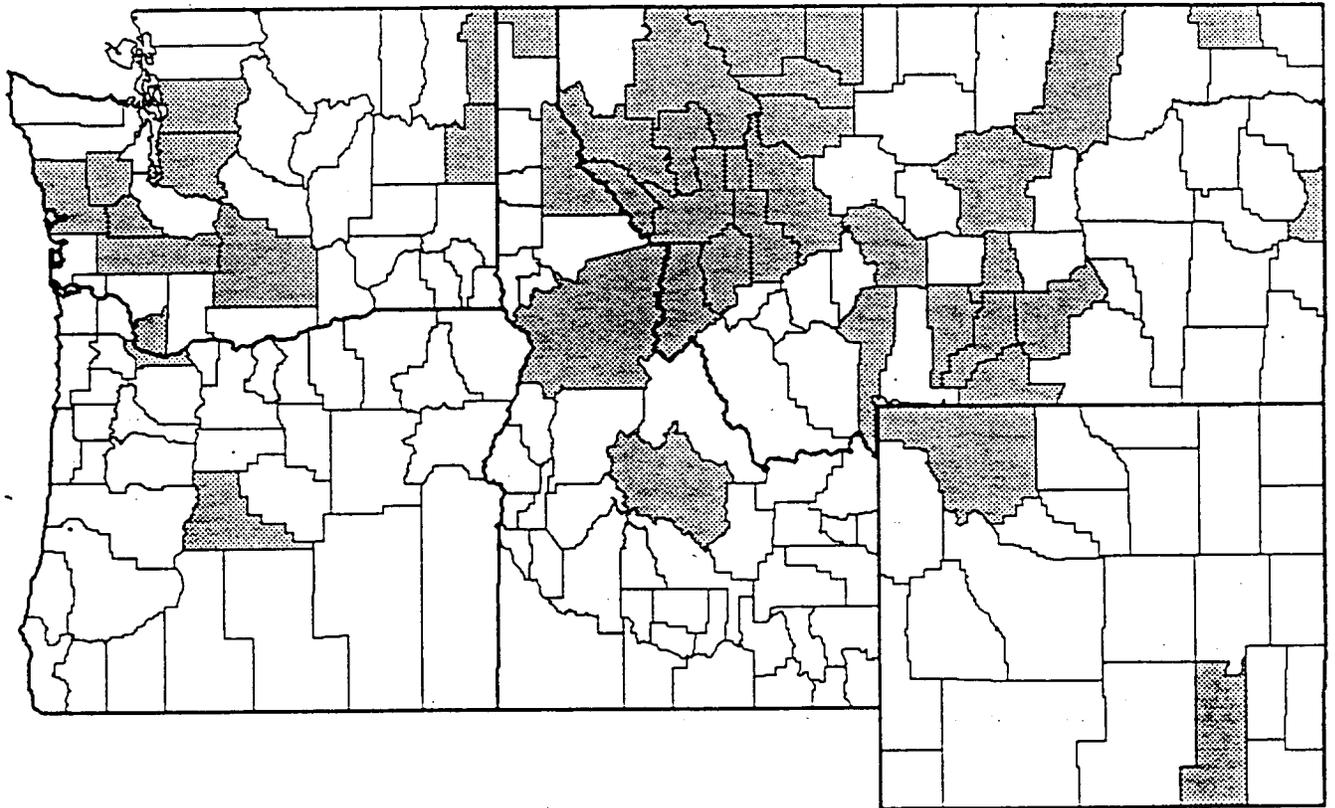
Counties reporting the exotic *Silene noctiflora* (nightflowering catchfly), 1875-1992.



*Silene noctiflora* INCREASE IN NORTHWEST STATES  
 $y = 1.013823 + 0.473601 * x^1 - 0.002280 * x^2$

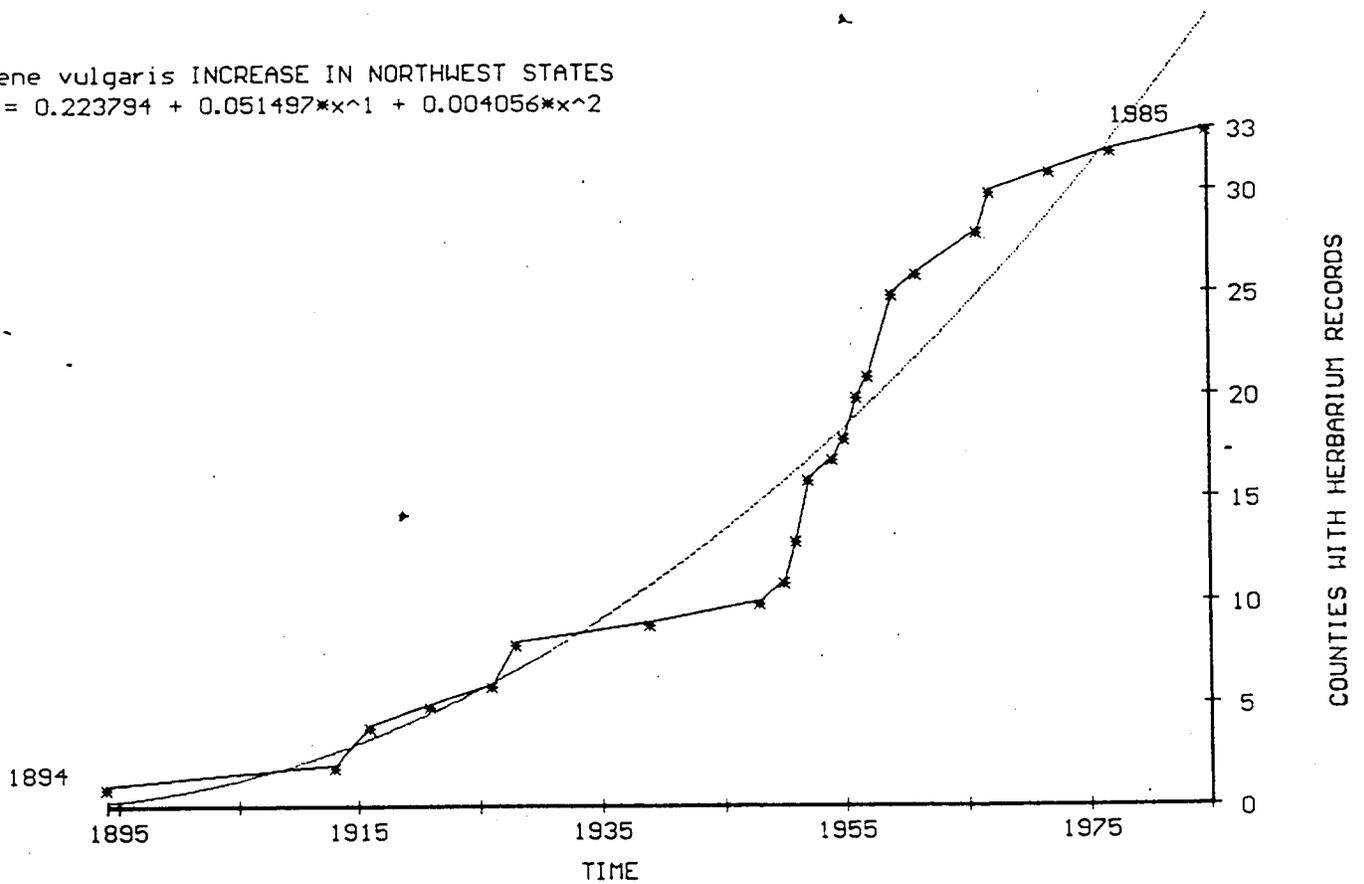


Counties reporting the exotic *Silene vulgaris* (bladder campion), 1875-1992.

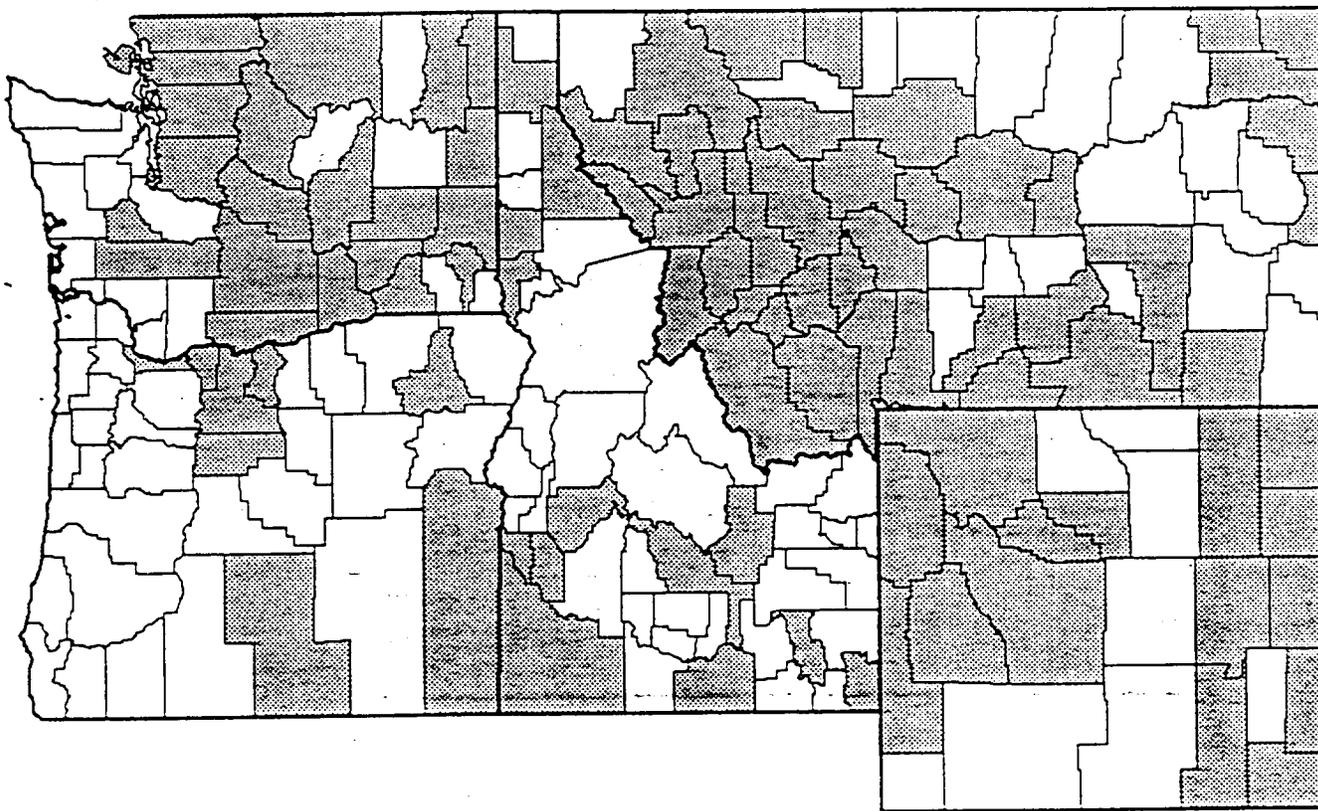


*Silene vulgaris* INCREASE IN NORTHWEST STATES

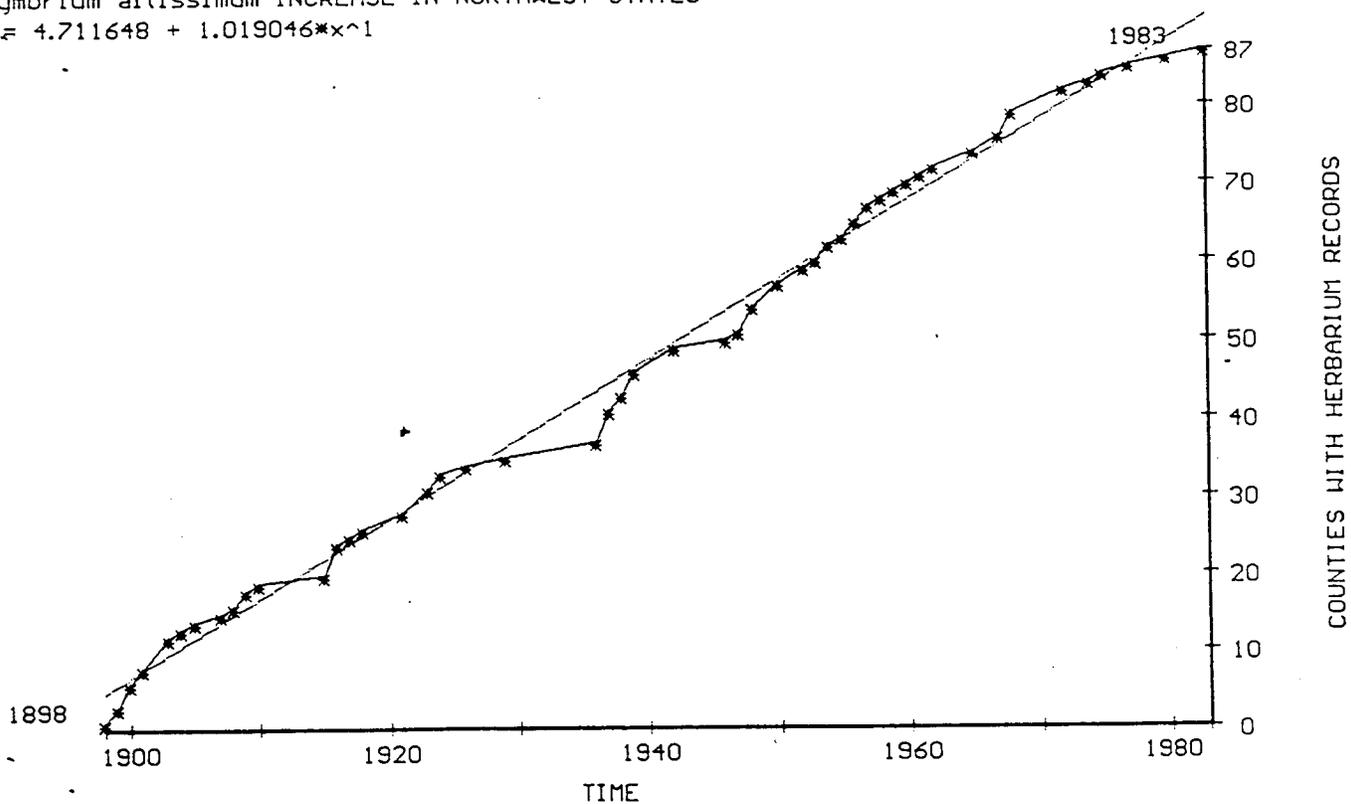
$$y = 0.223794 + 0.051497 * x^1 + 0.004056 * x^2$$



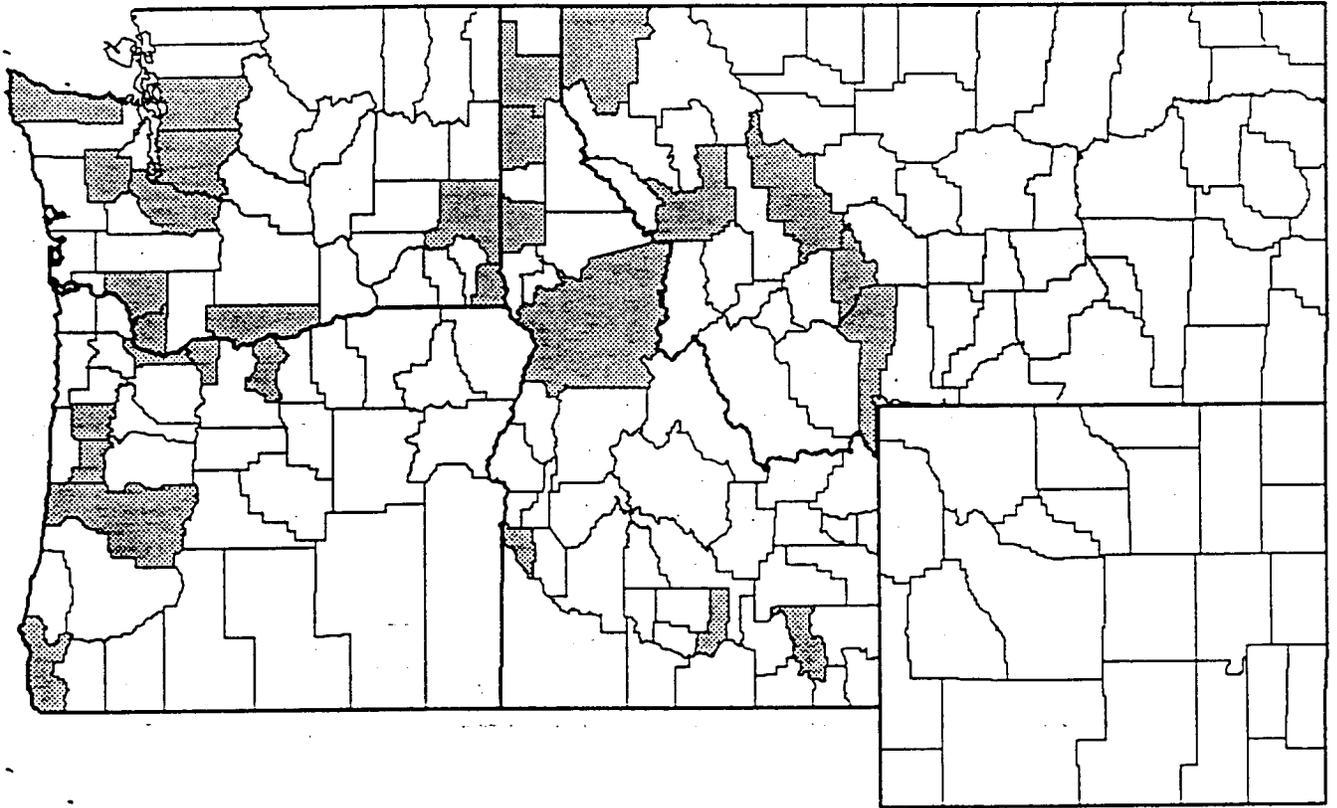
Counties reporting the exotic *Sisymbrium altissimum* (tumble mustard), 1875-1994.



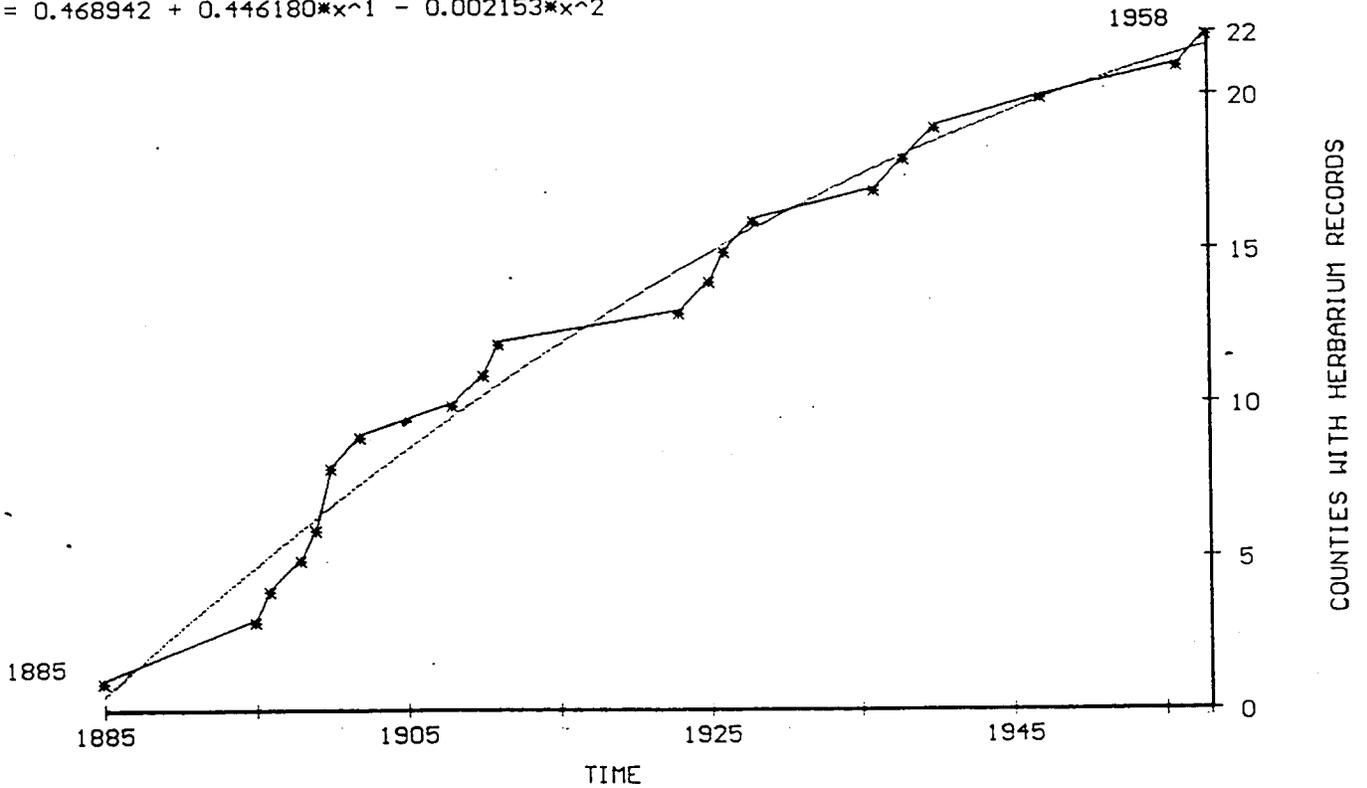
*Sisymbrium altissimum* INCREASE IN NORTHWEST STATES  
 $y = 4.711648 + 1.019046 * x^1$



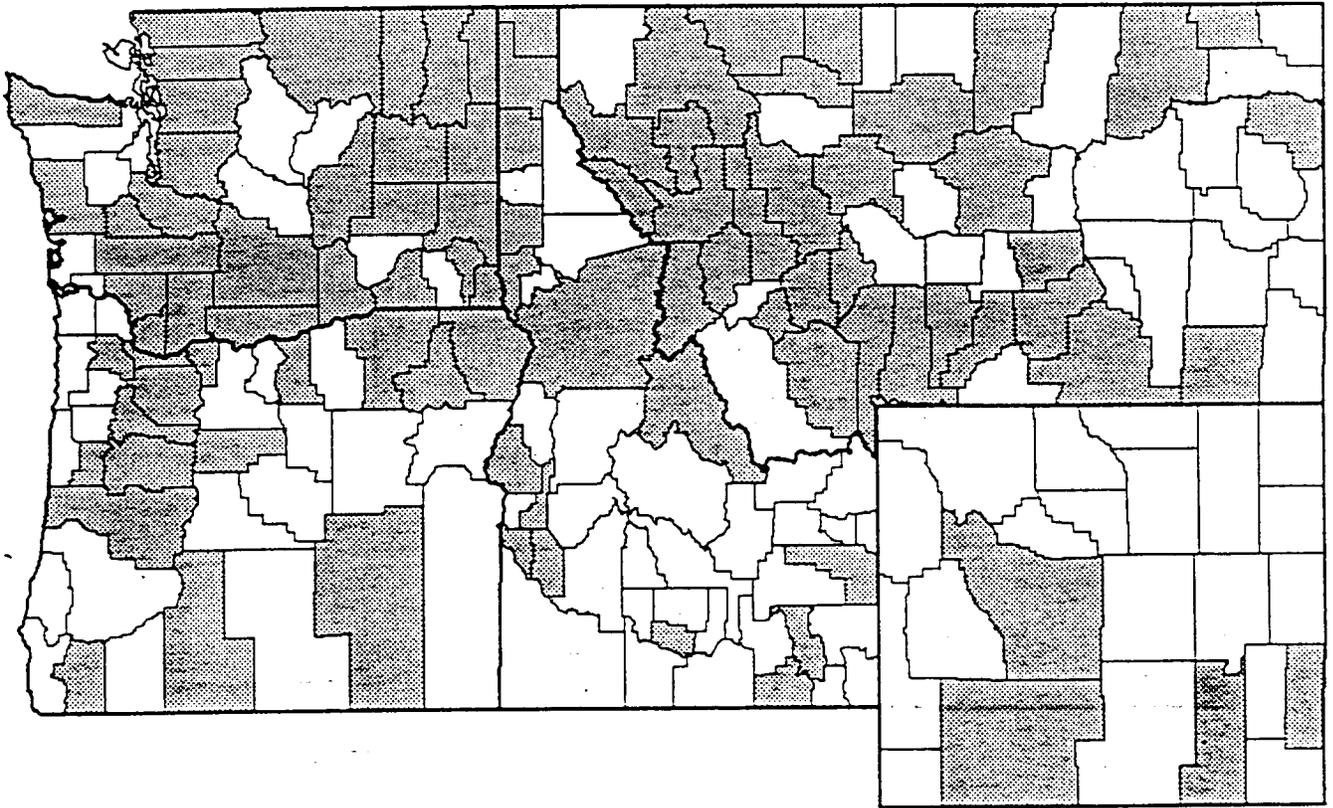
Counties reporting the exotic *Sisymbrium officinale* (hedge mustard), 1875-1992.



*Sisymbrium officinale* INCREASE IN NORTHWEST STATES  
 $y = 0.468942 + 0.446180 * x^1 - 0.002153 * x^2$

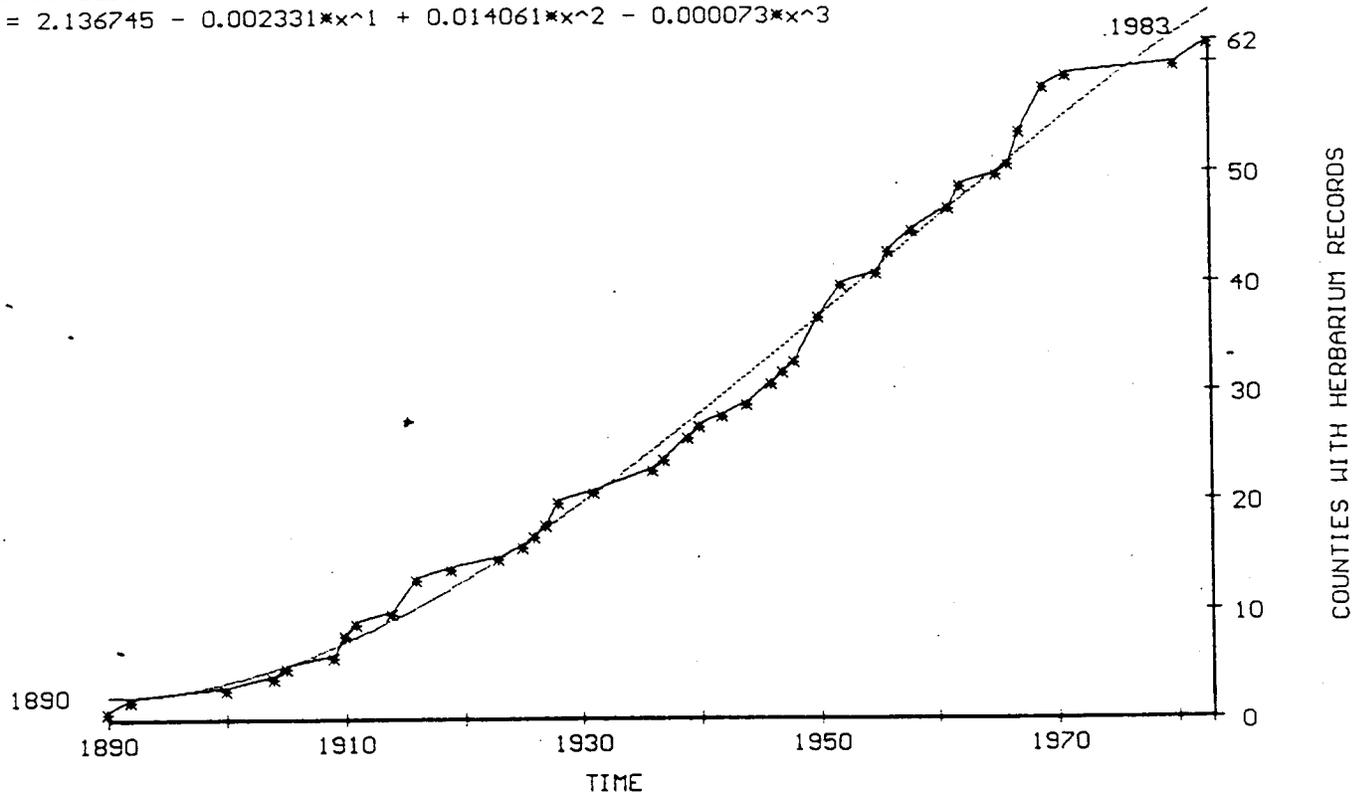


Counties reporting the exotic *Solanum dulcamara* (bittersweet nightshade), 1875-1994.

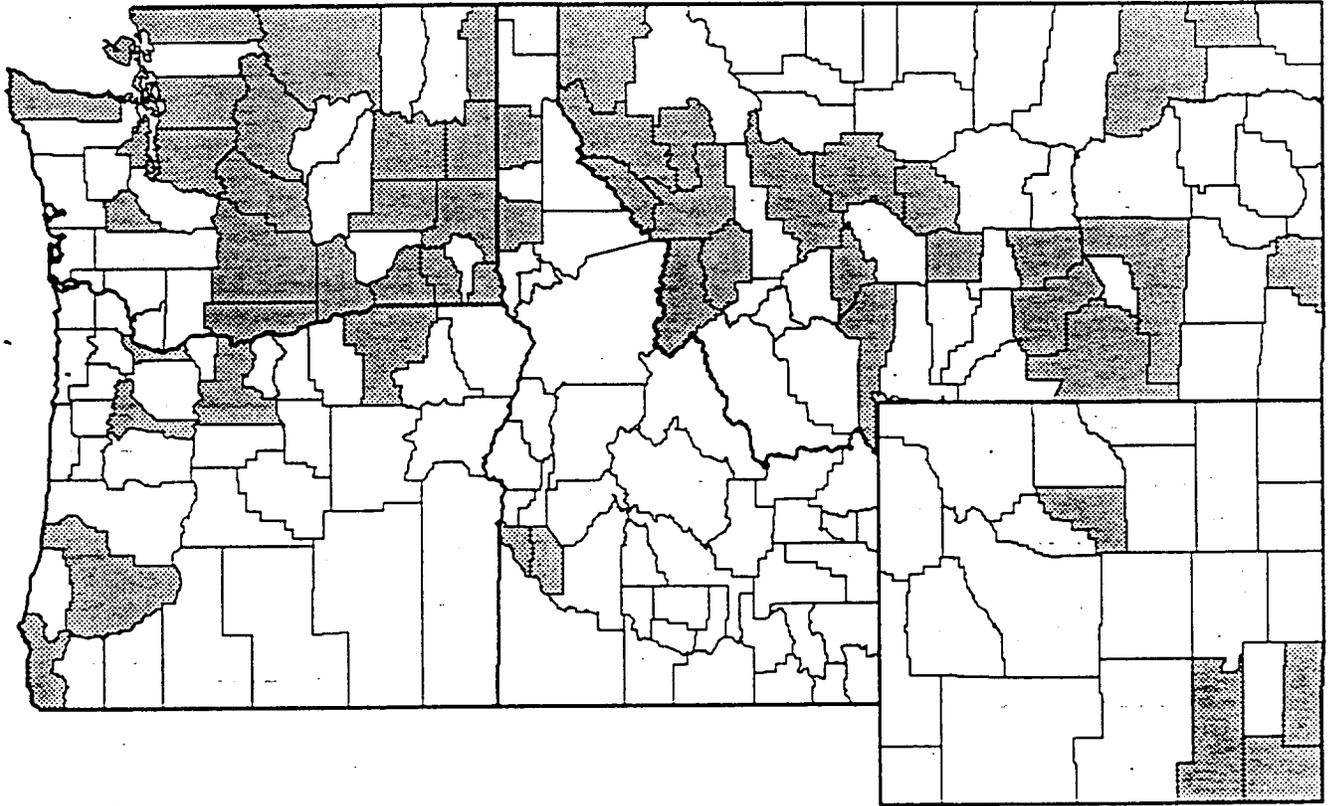


*Solanum dulcamara* INCREASE IN NORTHWEST STATES

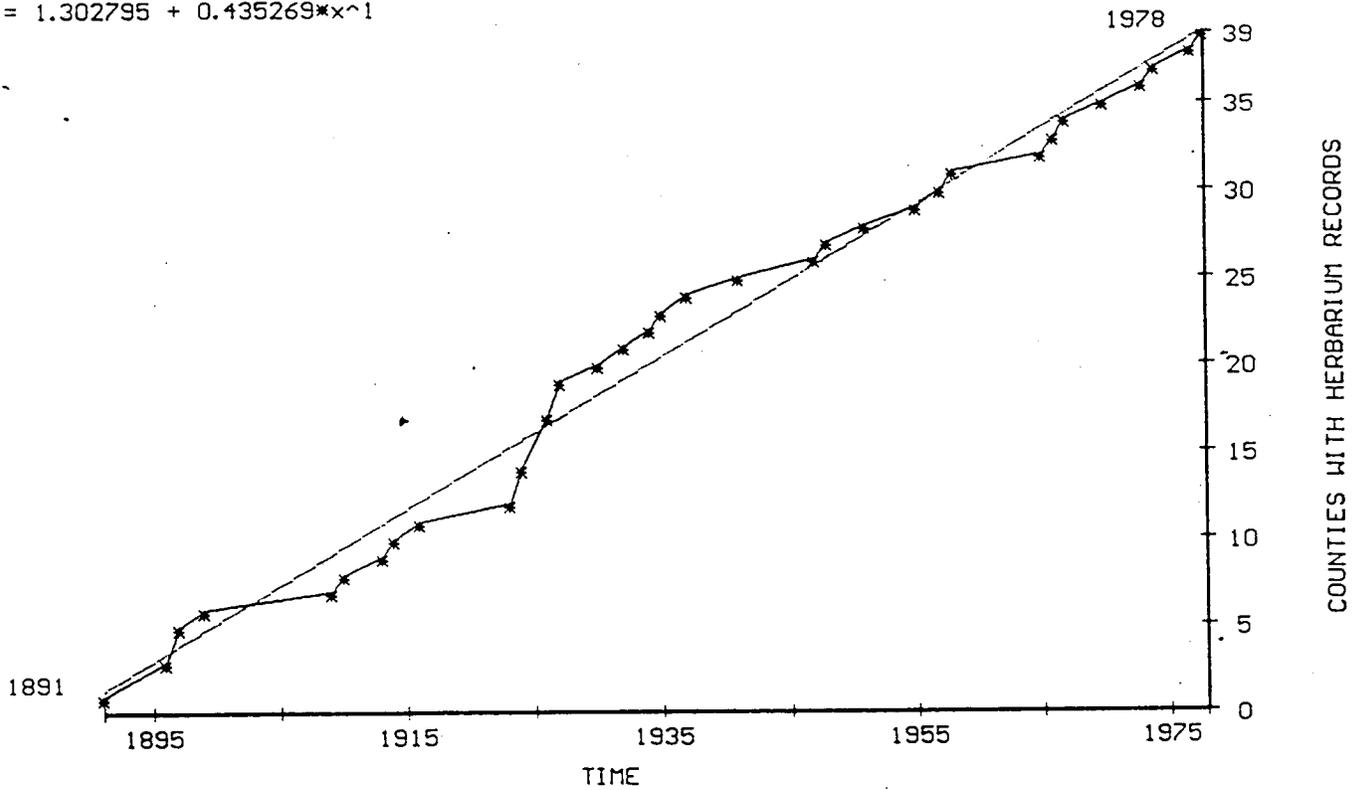
$$y = 2.136745 - 0.002331 * x^1 + 0.014061 * x^2 - 0.000073 * x^3$$



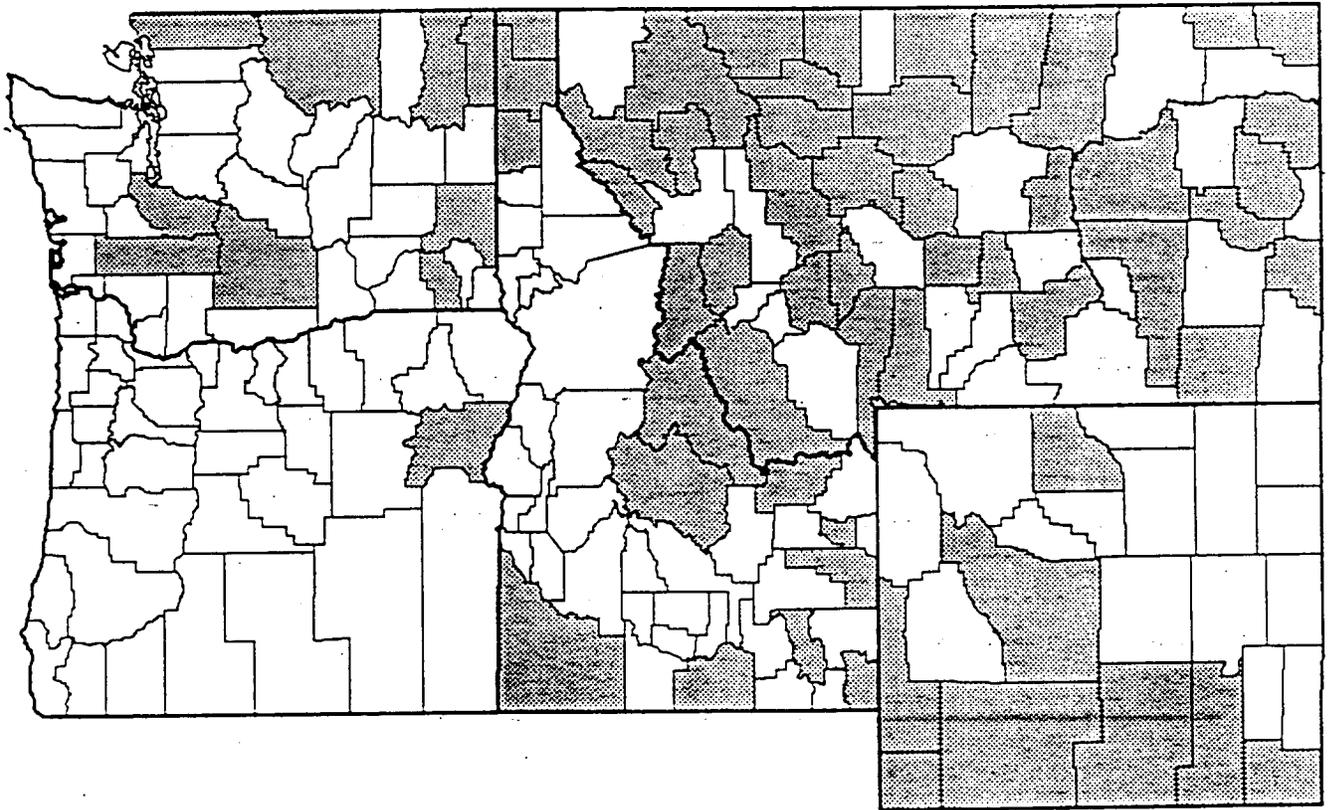
Counties reporting the exotic *Solanum sarrachoides* (hairy nightshade), 1875-1993.



*Solanum sarrachoides* INCREASE IN NORTHWEST STATES  
 $y = 1.302795 + 0.435269 * x^1$

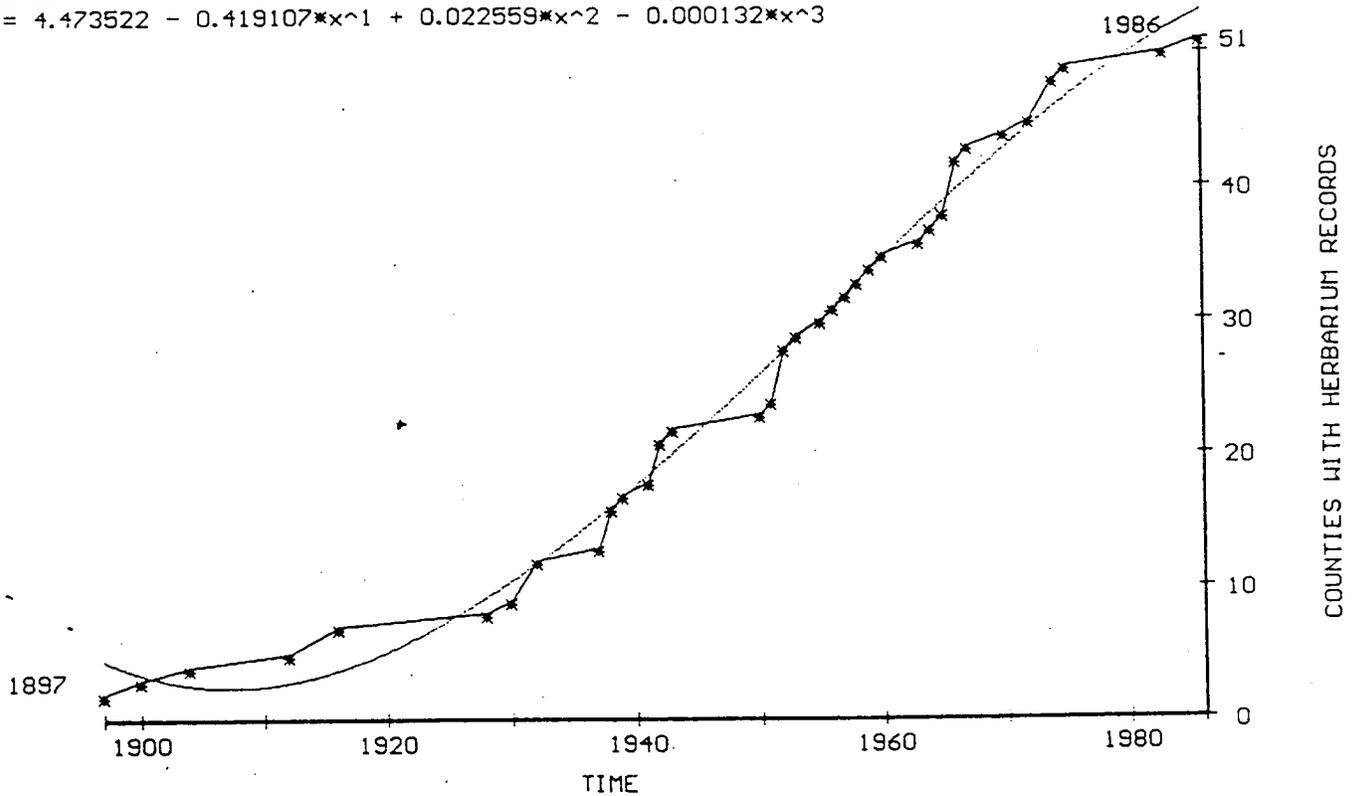


Counties reporting the exotic *Sonchus arvensis* (field milk thistle), 1875-1993.

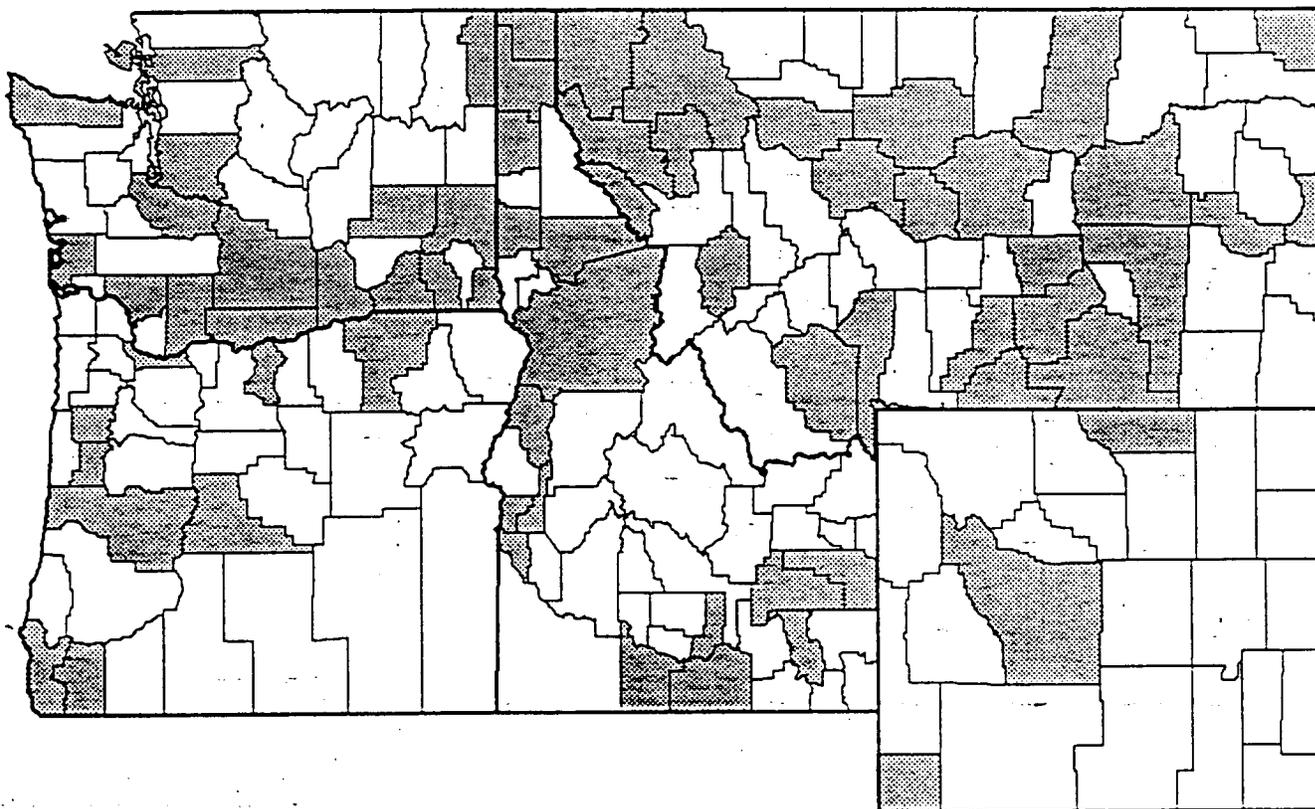


*Sonchus arvensis* INCREASE IN NORTHWEST STATES

$$y = 4.473522 - 0.419107 * x^1 + 0.022559 * x^2 - 0.000132 * x^3$$

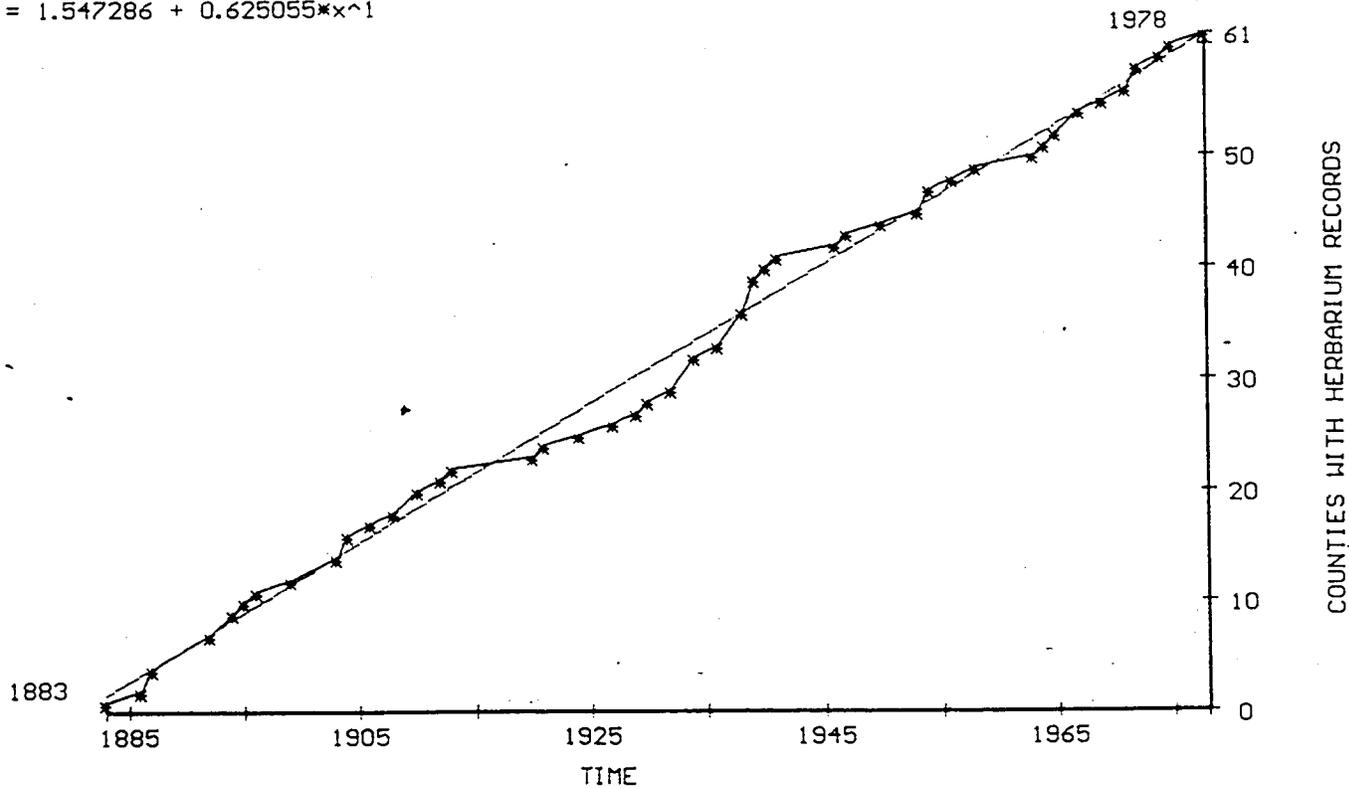


Counties reporting the exotic *Sonchus asper* (spiny southistle), 1875-1993.

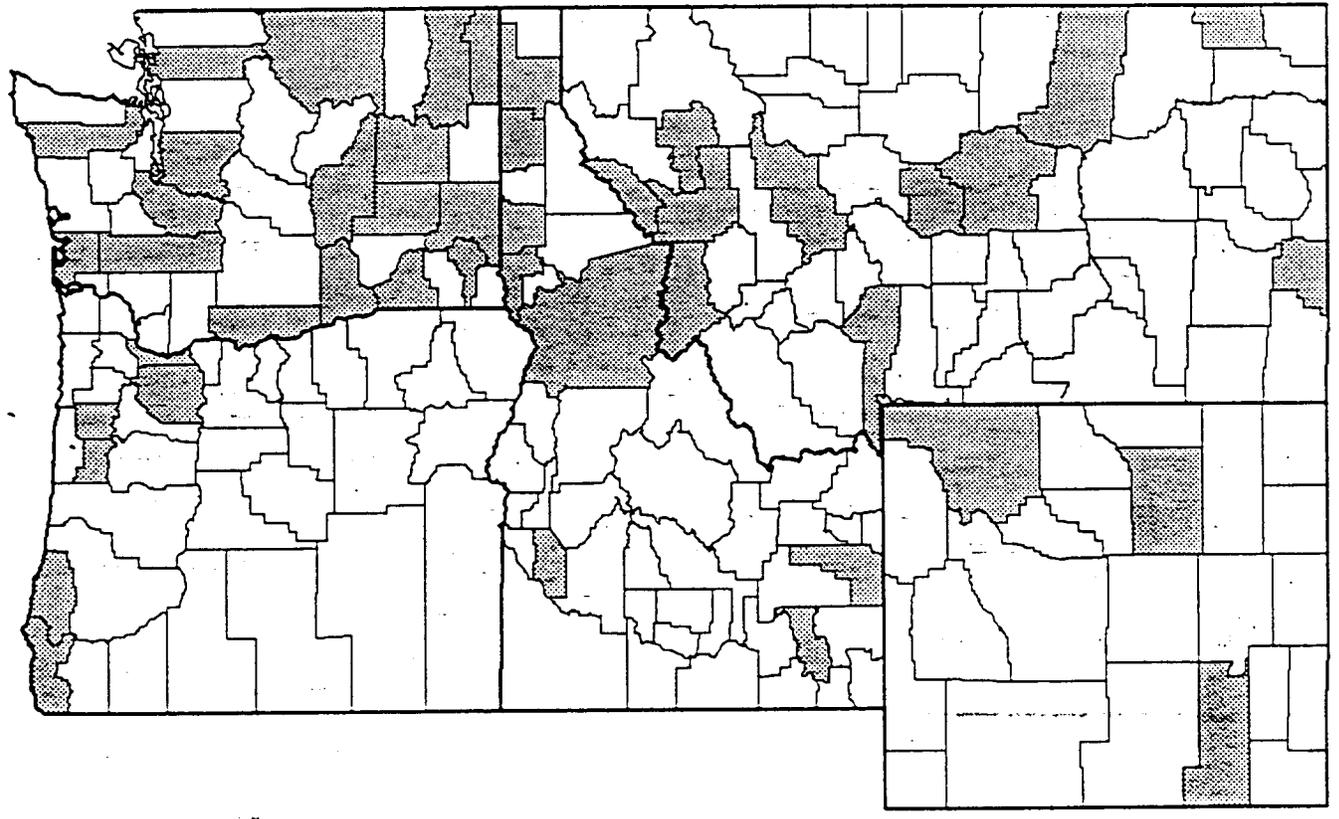


*Sonchus asper* INCREASE IN NORTHWEST STATES

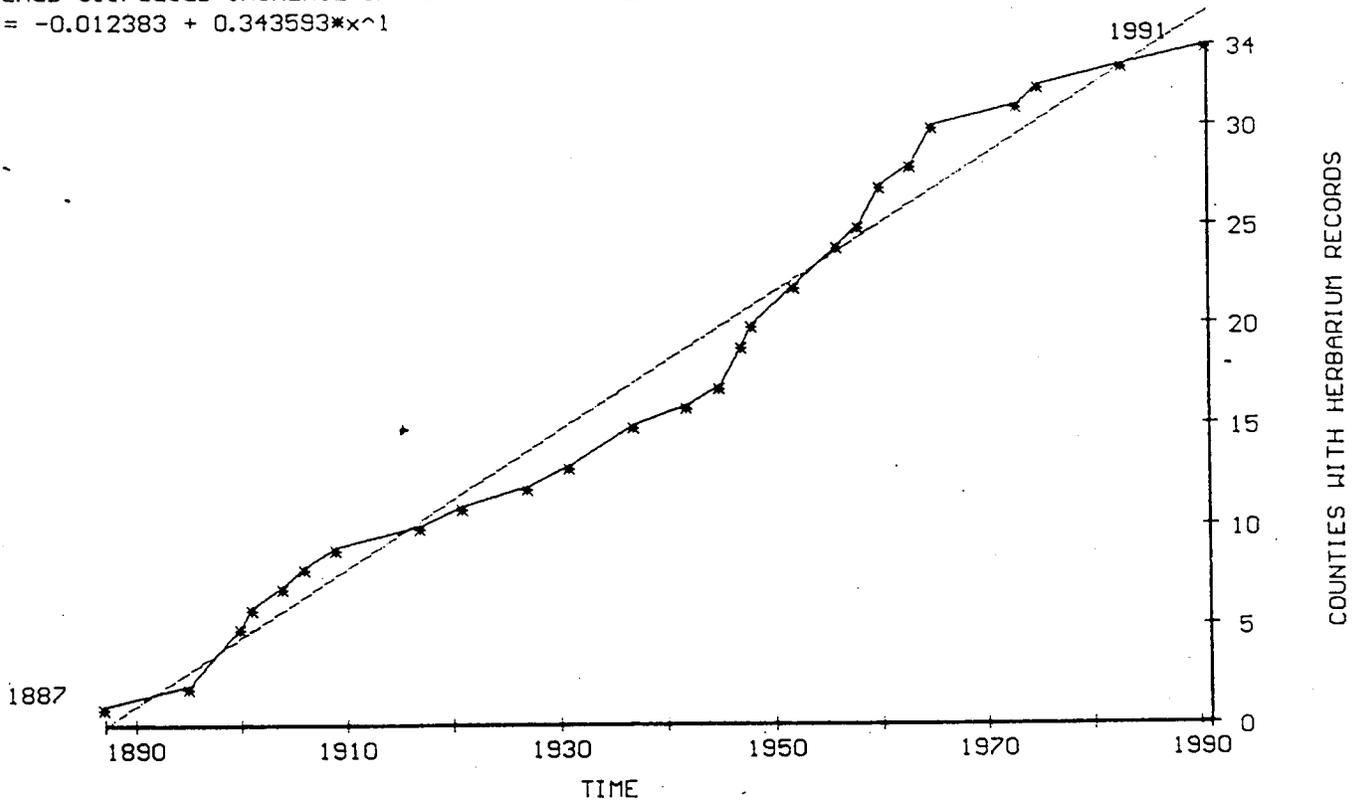
$$y = 1.547286 + 0.625055 * x^1$$



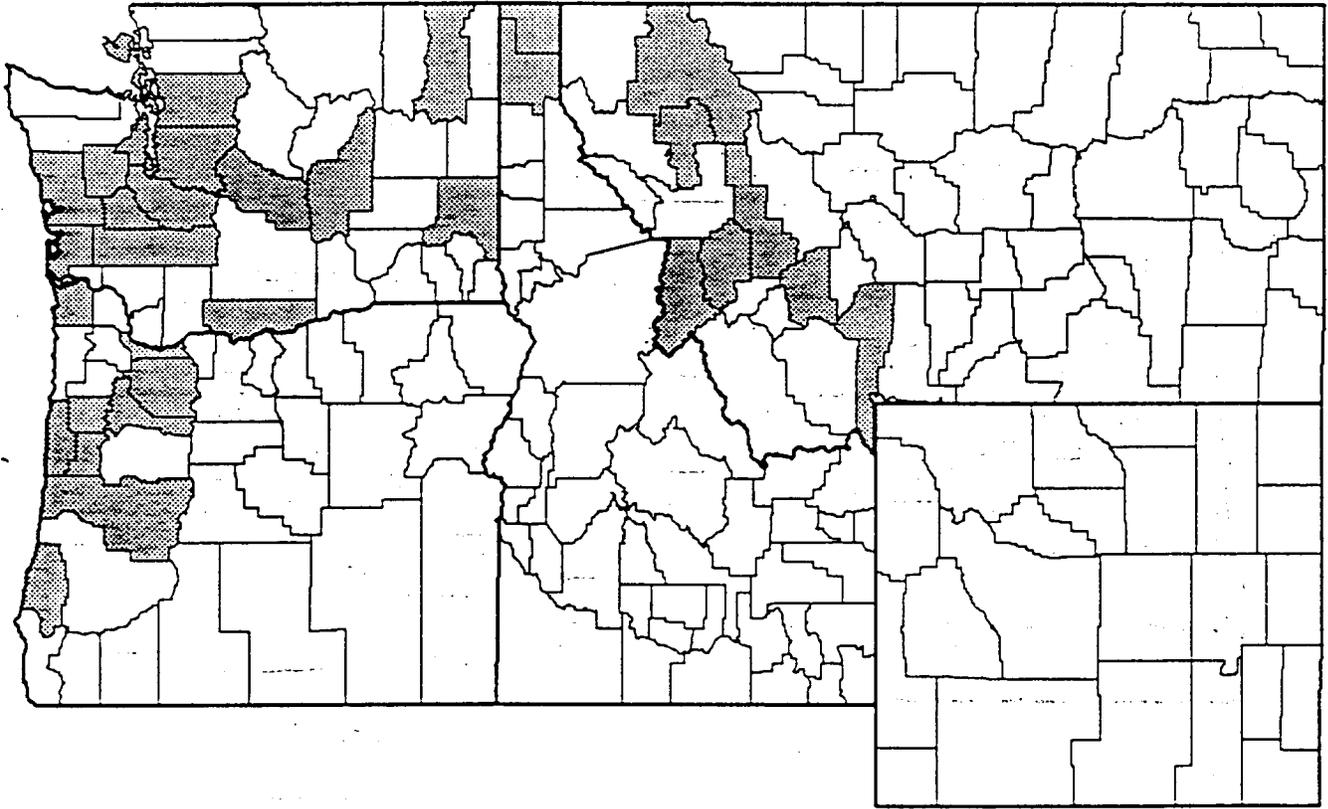
Counties reporting the exotic *Sonchus oleraceus* (annual southistle), 1875-1993.



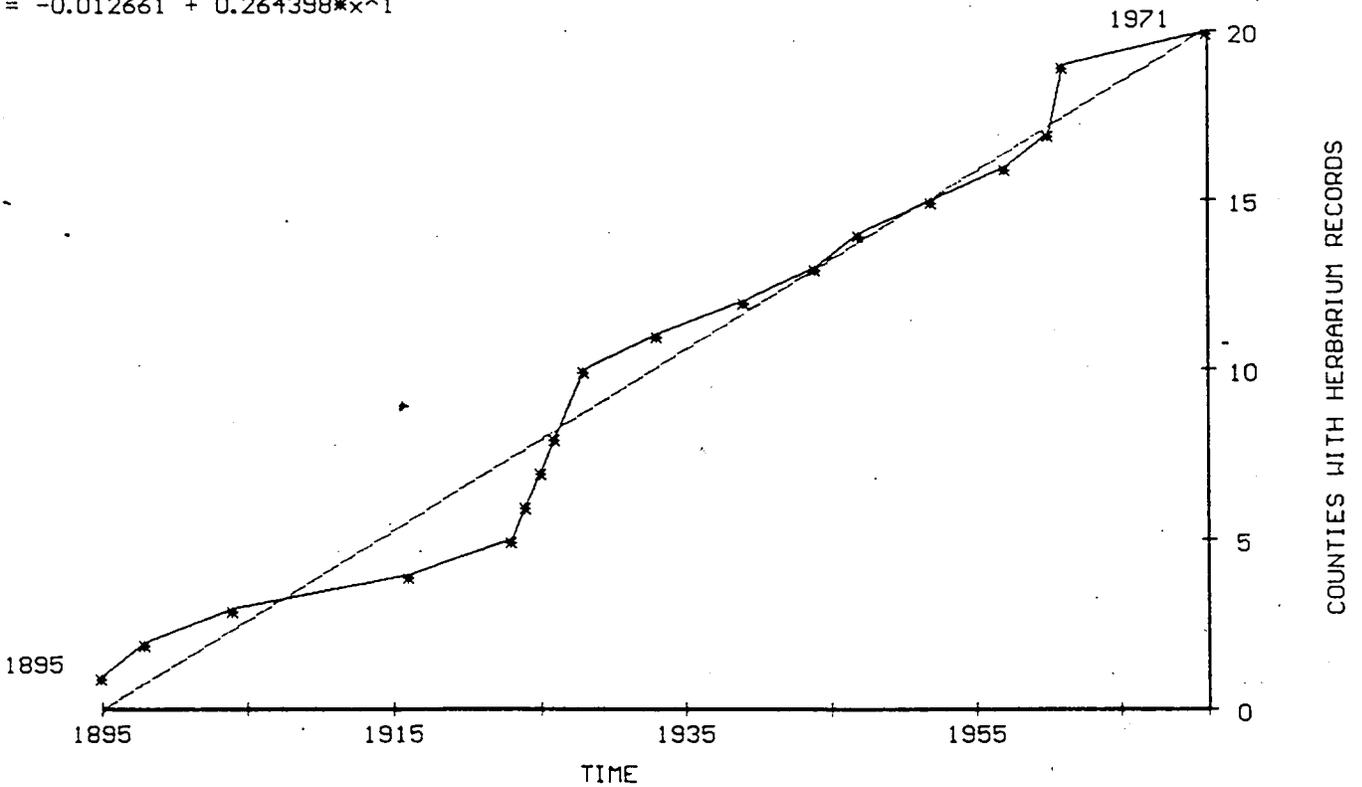
*Sonchus oleraceus* INCREASE IN NORTHWEST STATES  
 $y = -0.012383 + 0.343593 * x^1$



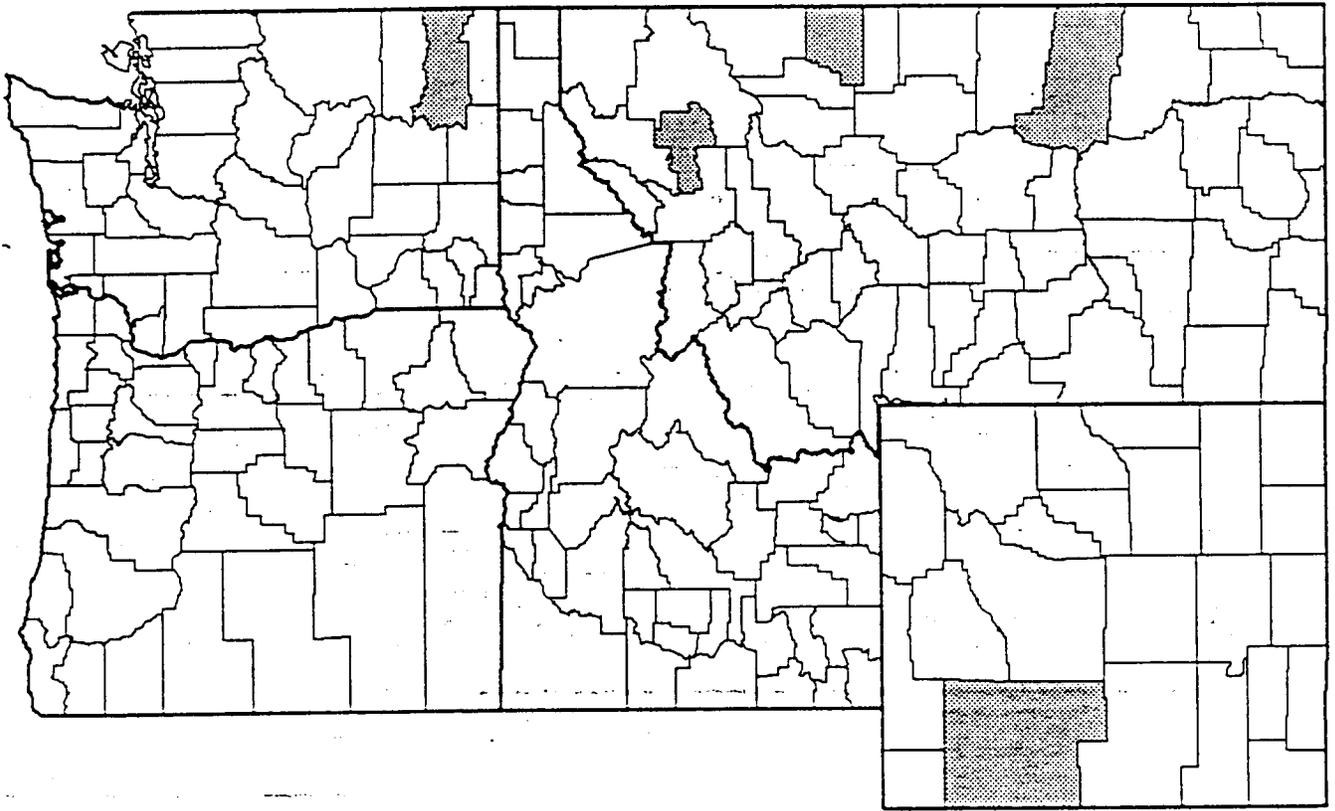
Counties reporting the exotic *Spergula arvensis* (corn spurry), 1875-1993.



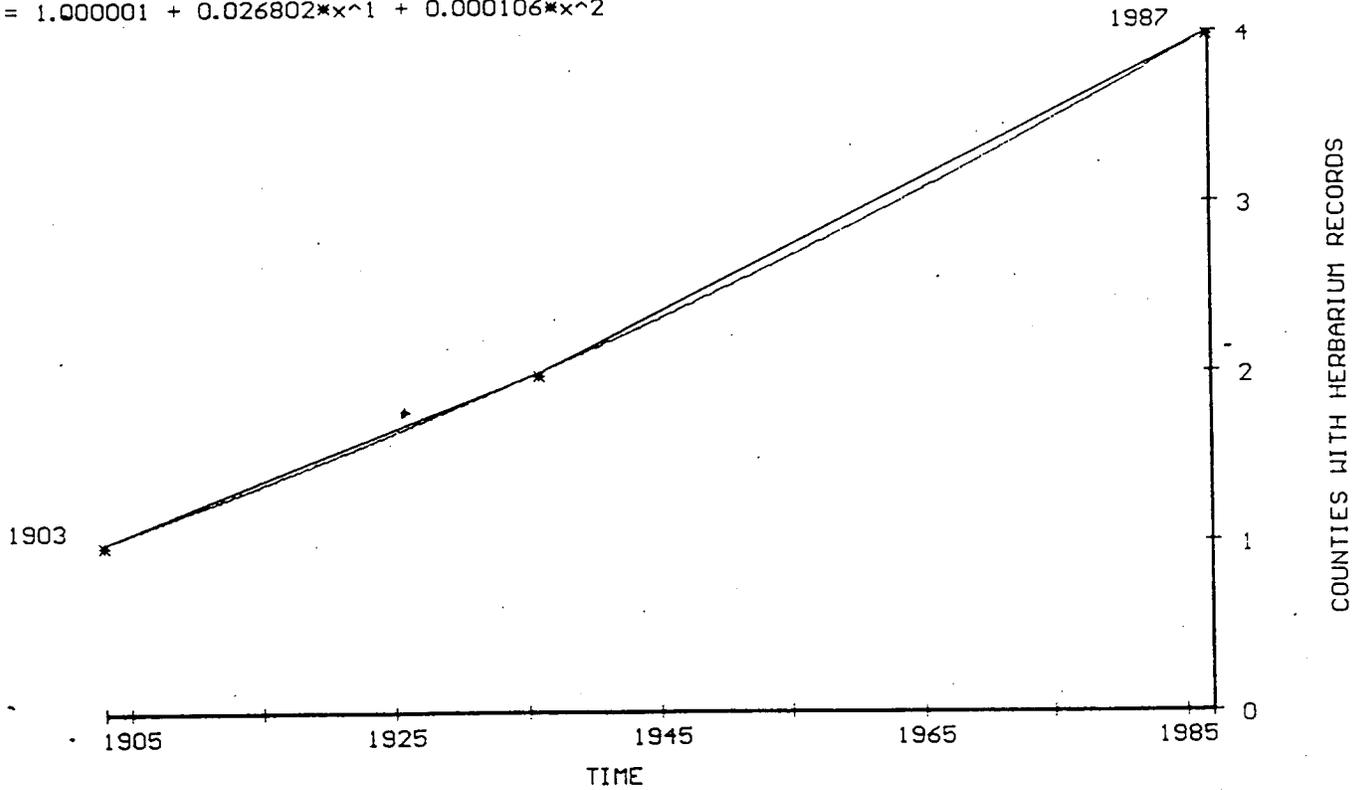
*Spergula arvensis* INCREASE IN NORTHWEST STATES  
 $y = -0.012661 + 0.264398 * x^1$



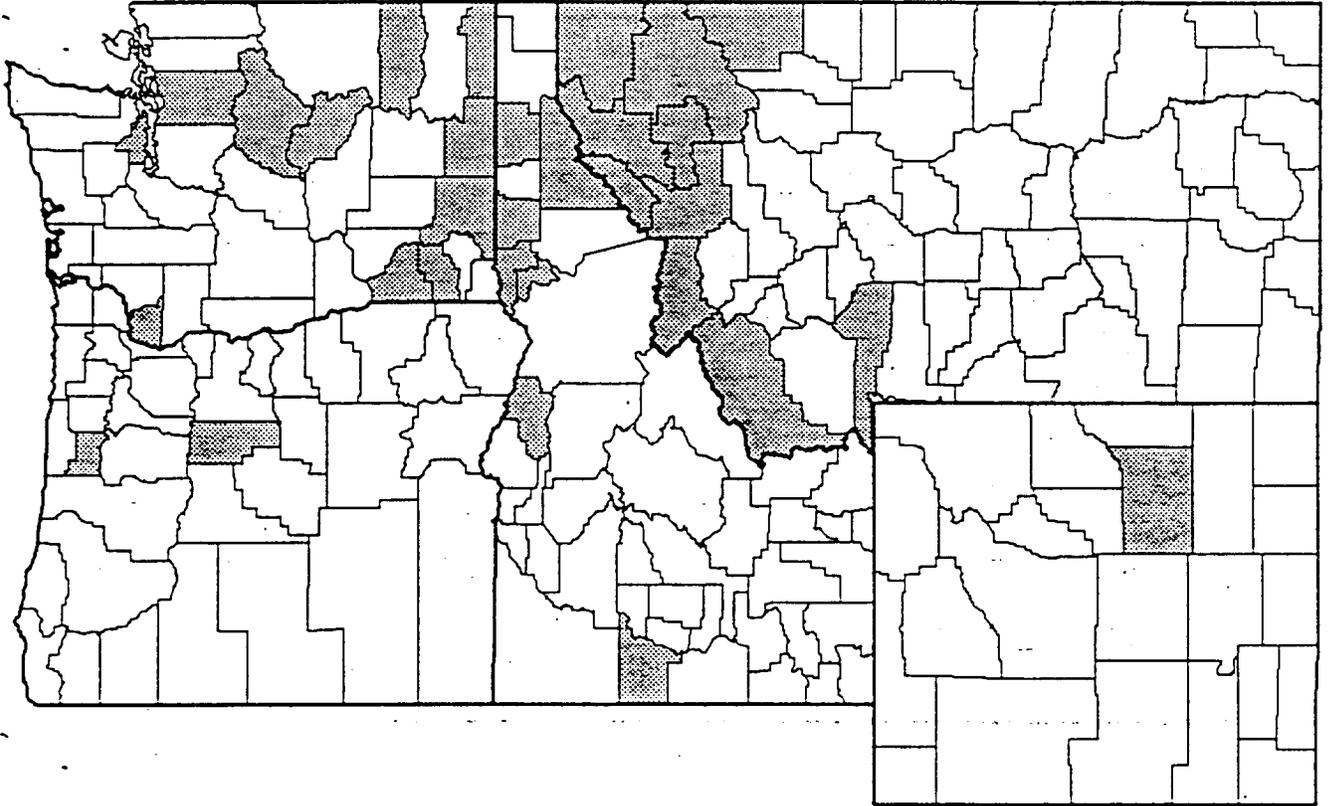
Counties reporting the exotic *Spergularia marina* (salt marsh sandspurry), 1875-1987.



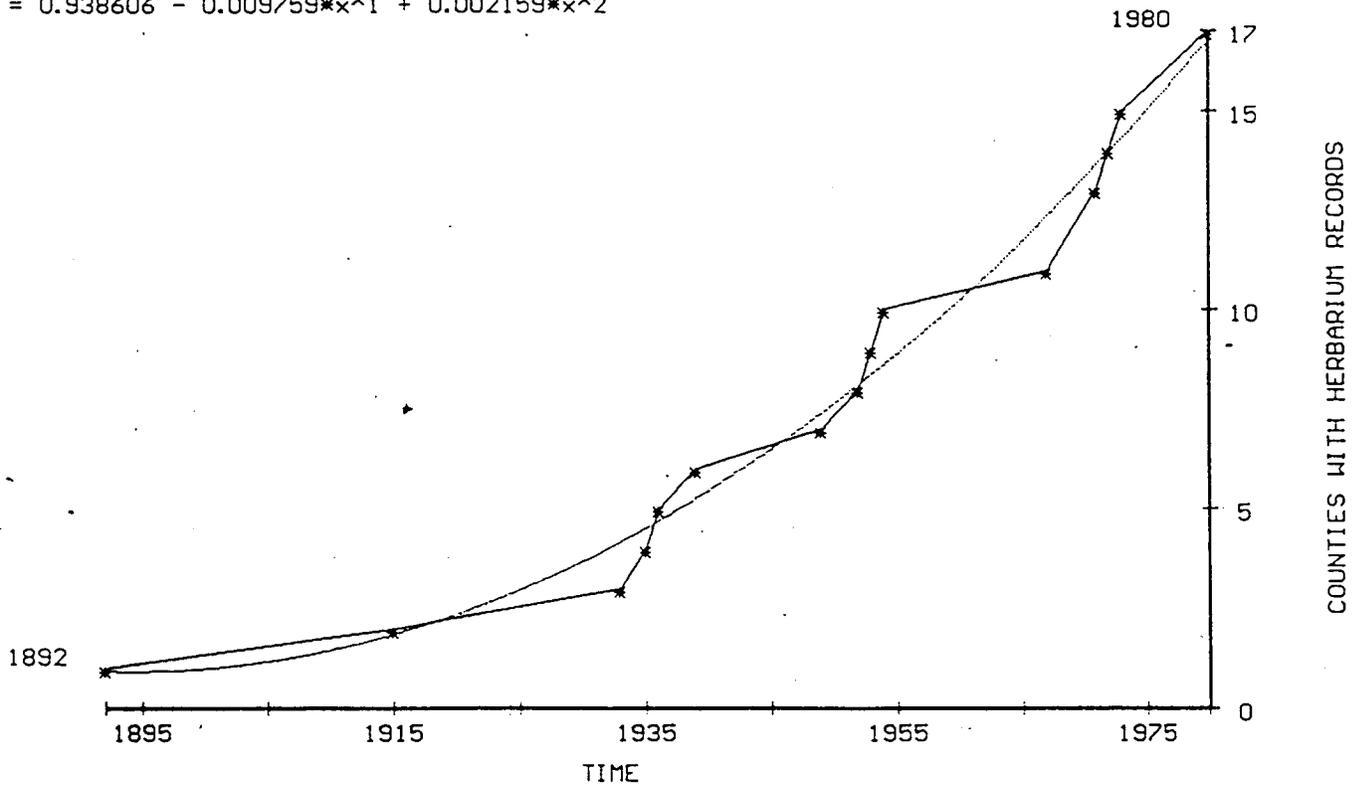
*Spergularia marina* INCREASE IN NORTHWEST STATES  
 $y = 1.000001 + 0.026802 * x^1 + 0.000106 * x^2$



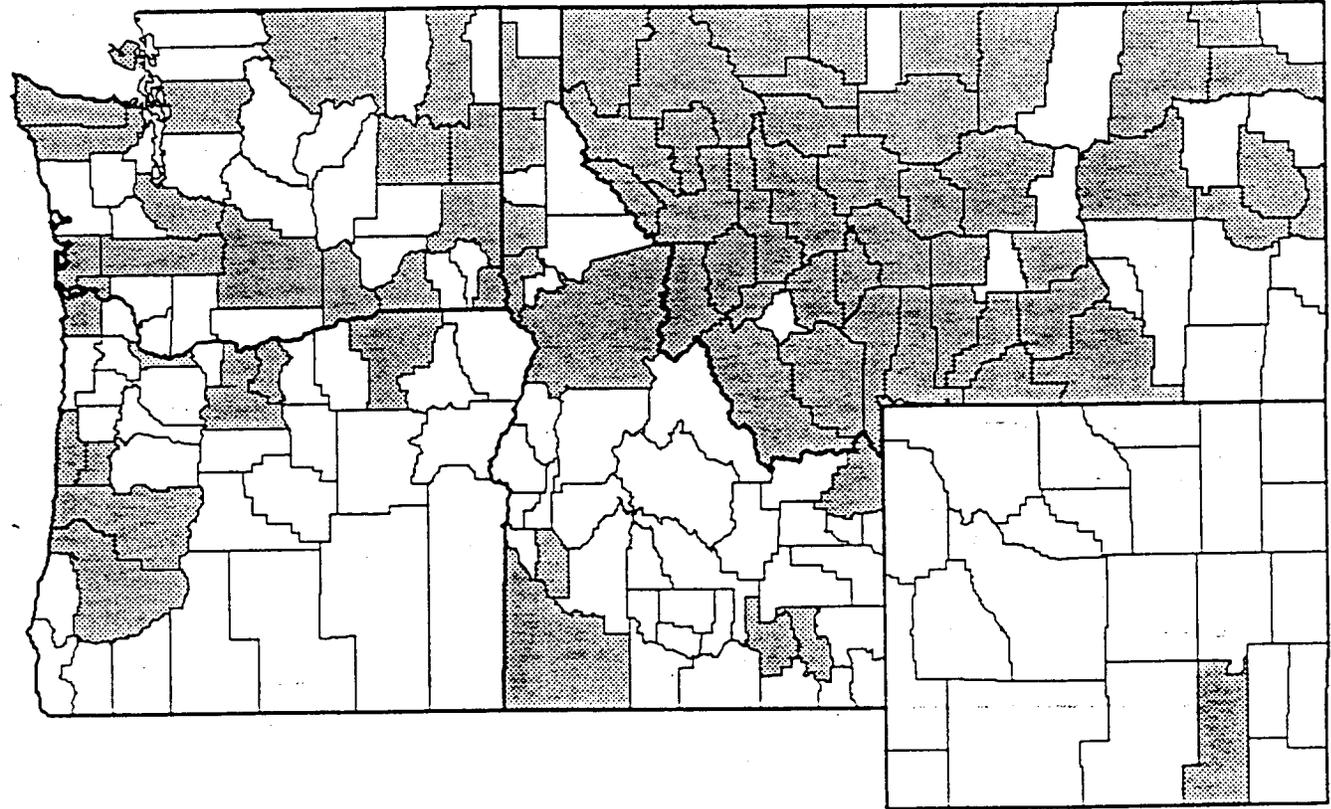
Counties reporting the exotic *Spergularia rubra* (red sandspurry), 1875-1994.



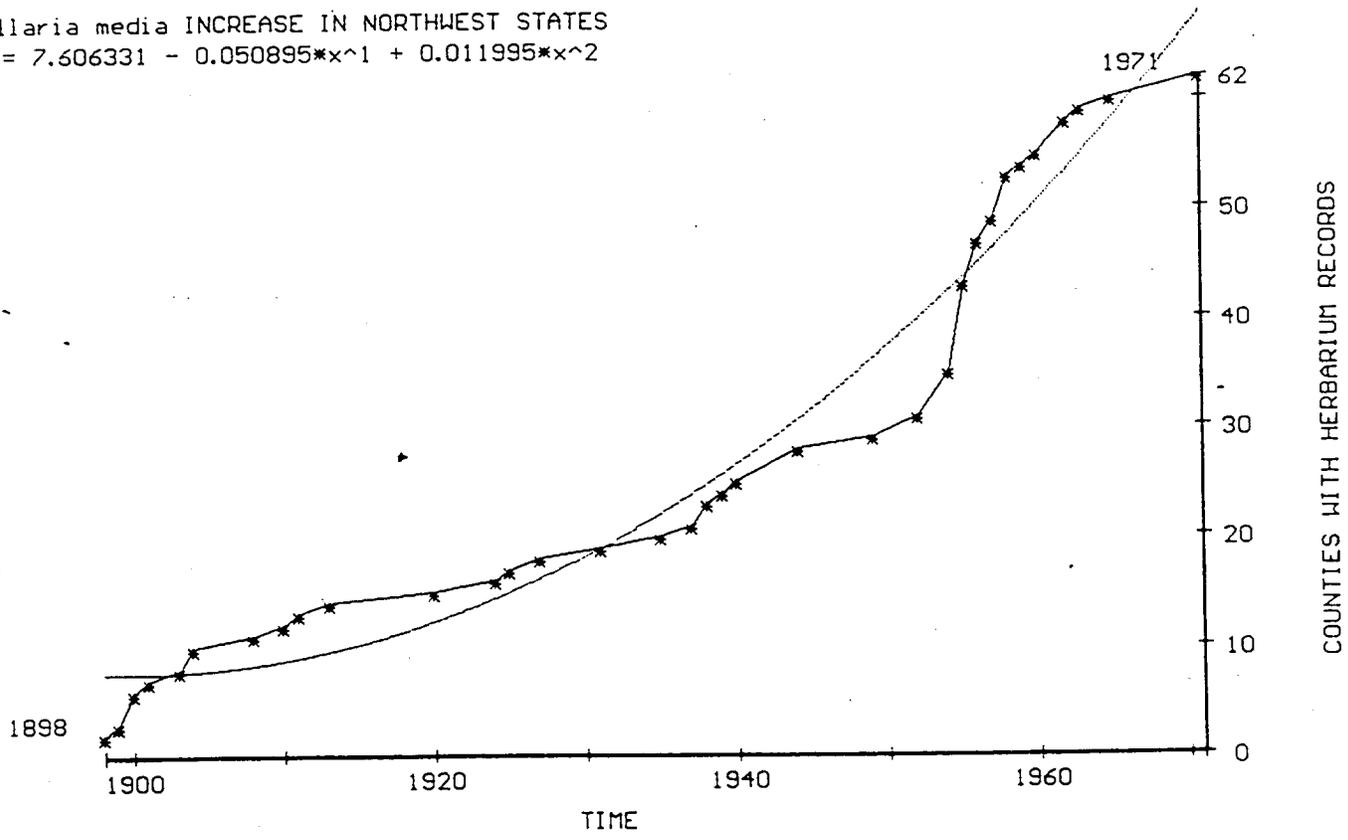
*Spergularia rubra* INCREASE IN NORTHWEST STATES  
 $y = 0.938606 - 0.009759 * x^1 + 0.002159 * x^2$



Counties reporting the exotic *Stellaria media* (common chickweed), 1875-1993.

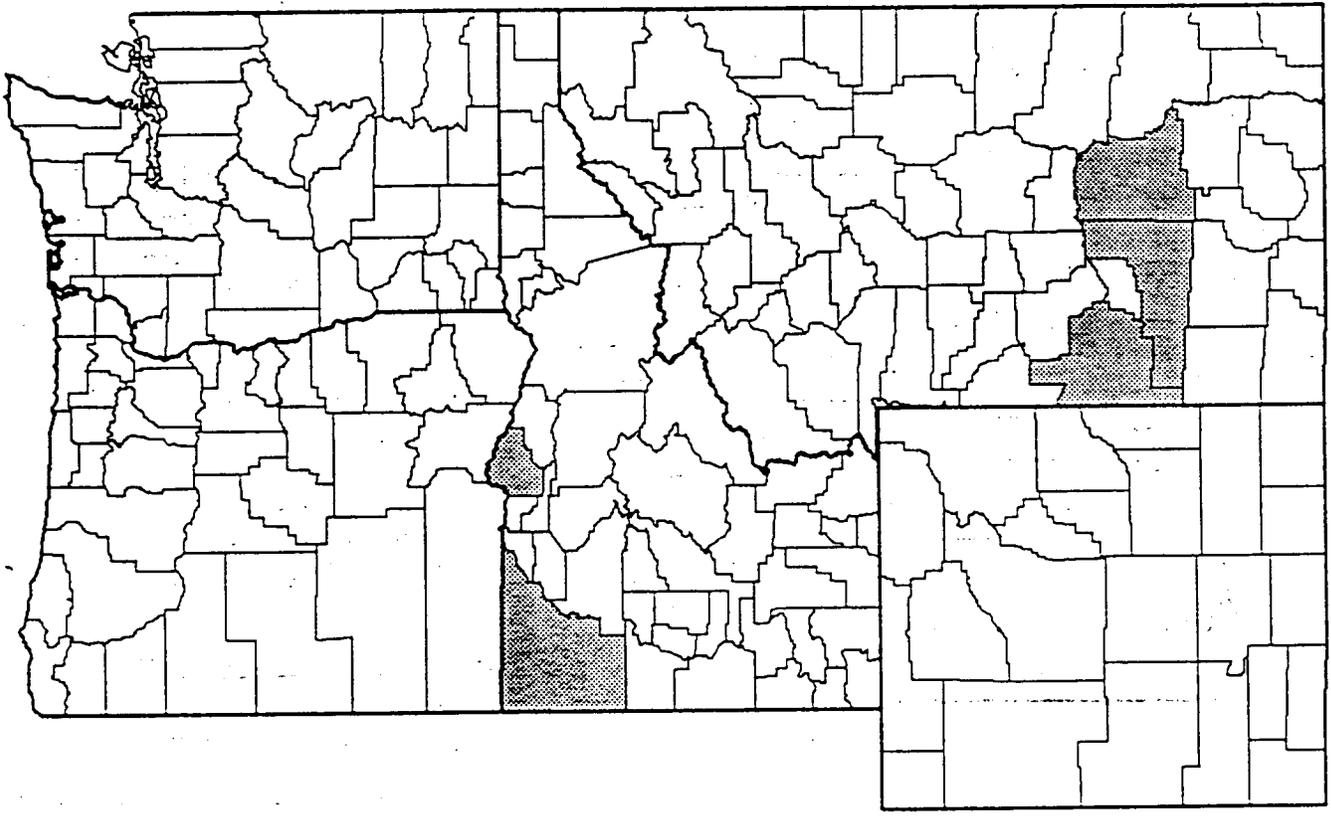


*Stellaria media* INCREASE IN NORTHWEST STATES  
 $y = 7.606331 - 0.050895 * x^1 + 0.011995 * x^2$

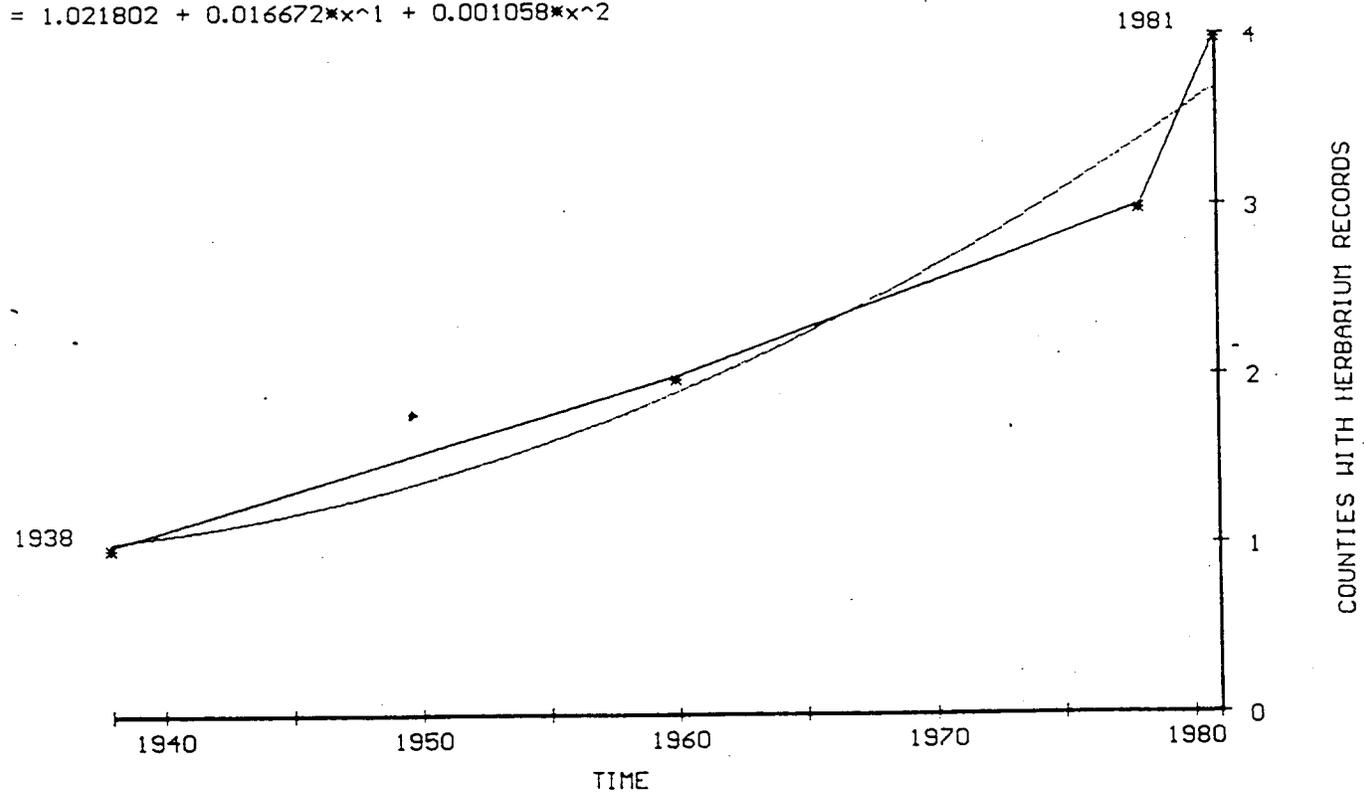




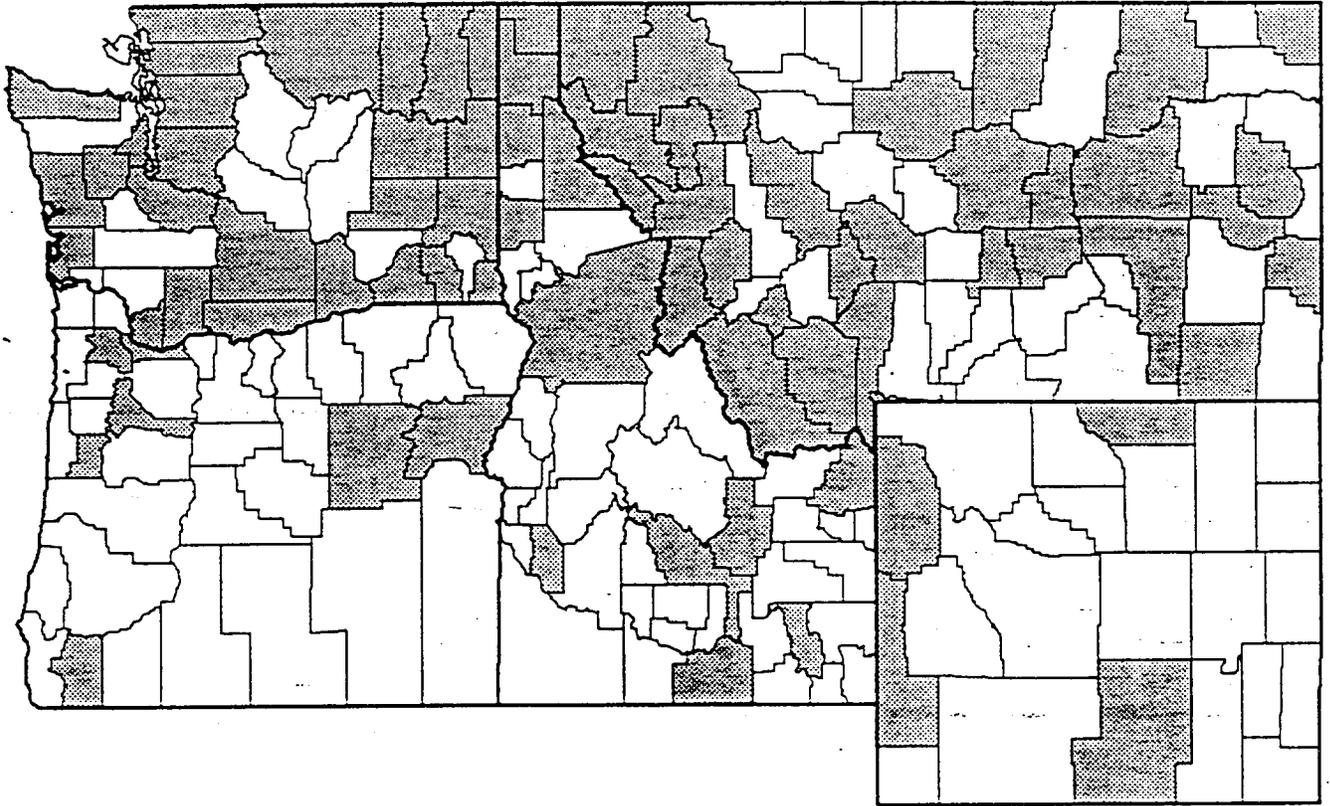
Countries reporting the exotic *Tamarix gallica* (manna plant), 1875-1981.



*Tamarix gallica* INCREASE IN NORTHWEST STATES  
 $y = 1.021802 + 0.016672x^1 + 0.001058x^2$

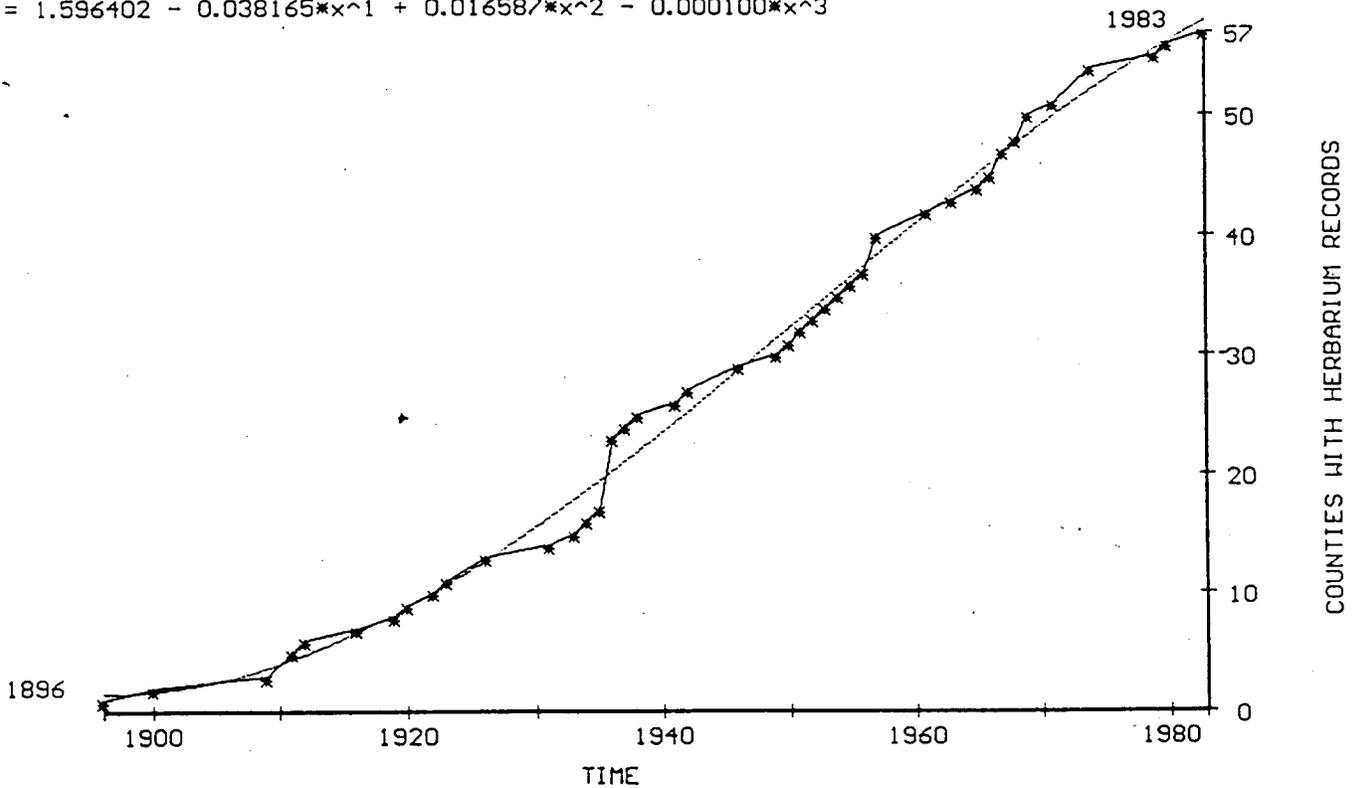


Counties reporting the exotic *Tanacetum vulgare* (common tansy), 1875-1992.

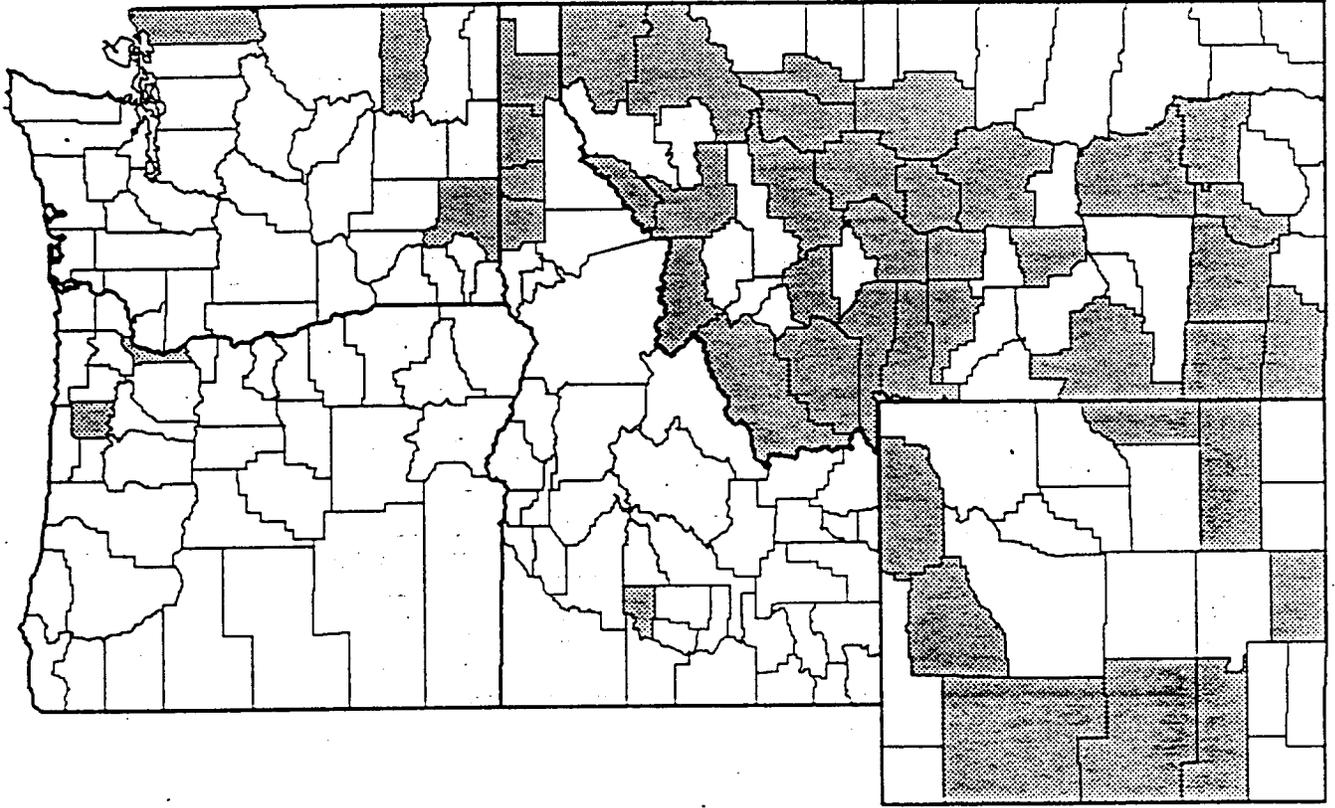


*Tanacetum vulgare* INCREASE IN NORTHWEST STATES

$$y = 1.596402 - 0.038165 * x^1 + 0.016587 * x^2 - 0.000100 * x^3$$

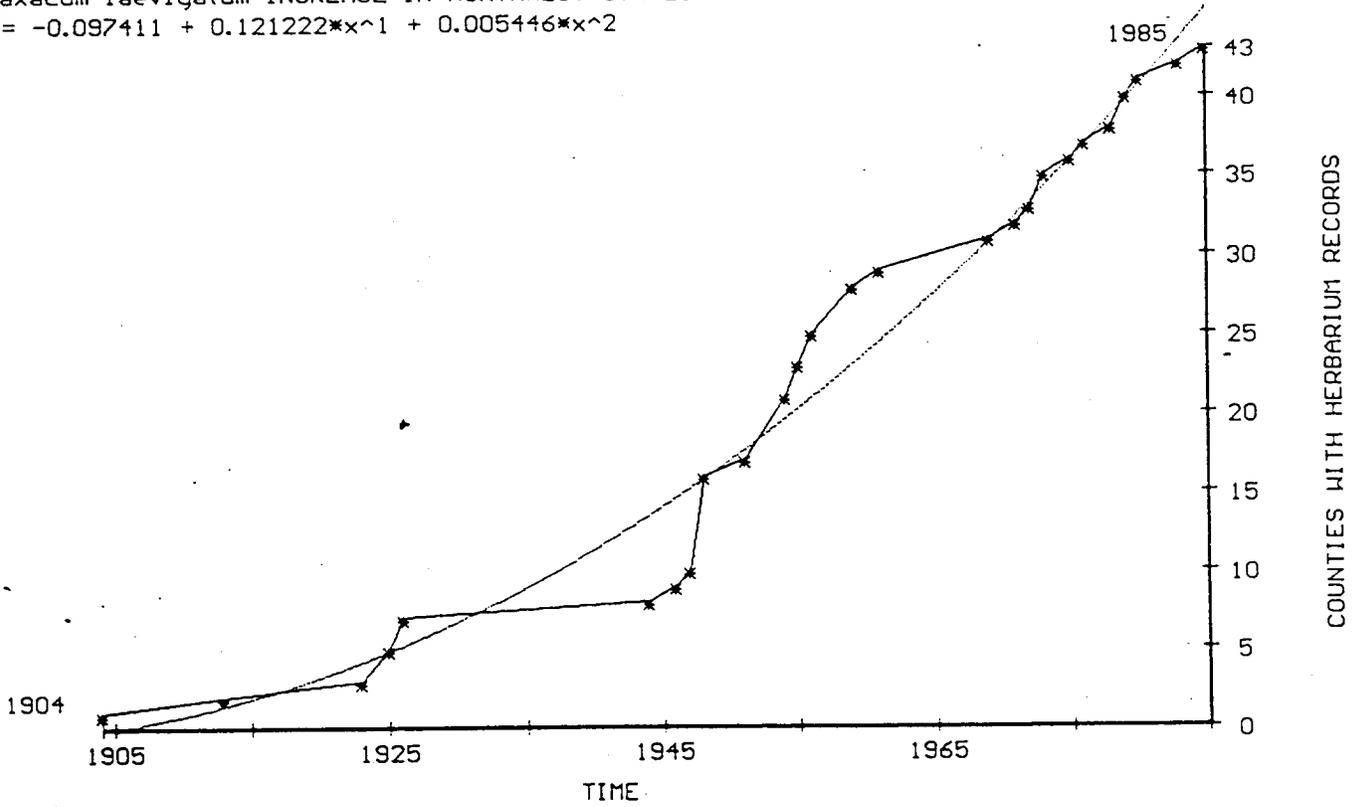


Counties reporting the exotic *Taraxacum laevigatum* (red seeded dandelion), 1875-1992.

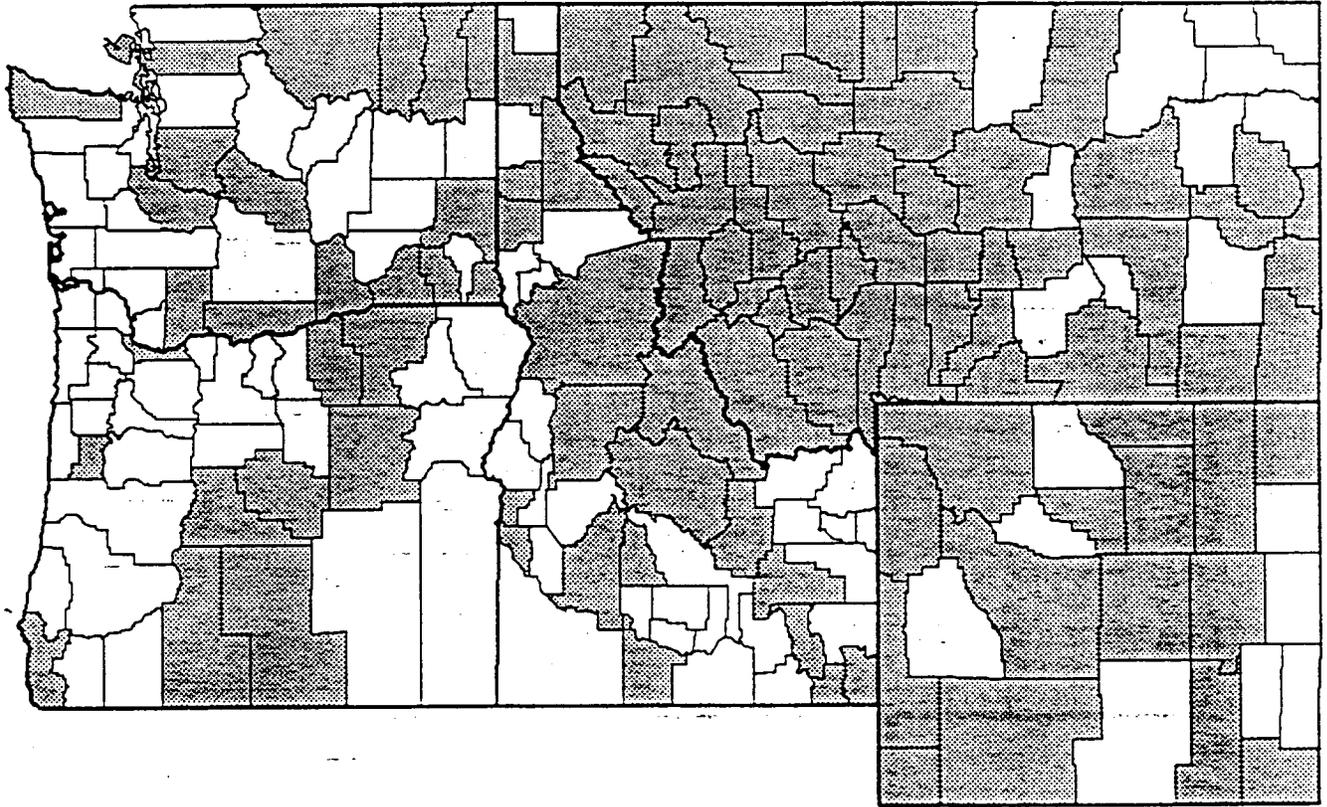


*Taraxacum laevigatum* INCREASE IN NORTHWEST STATES

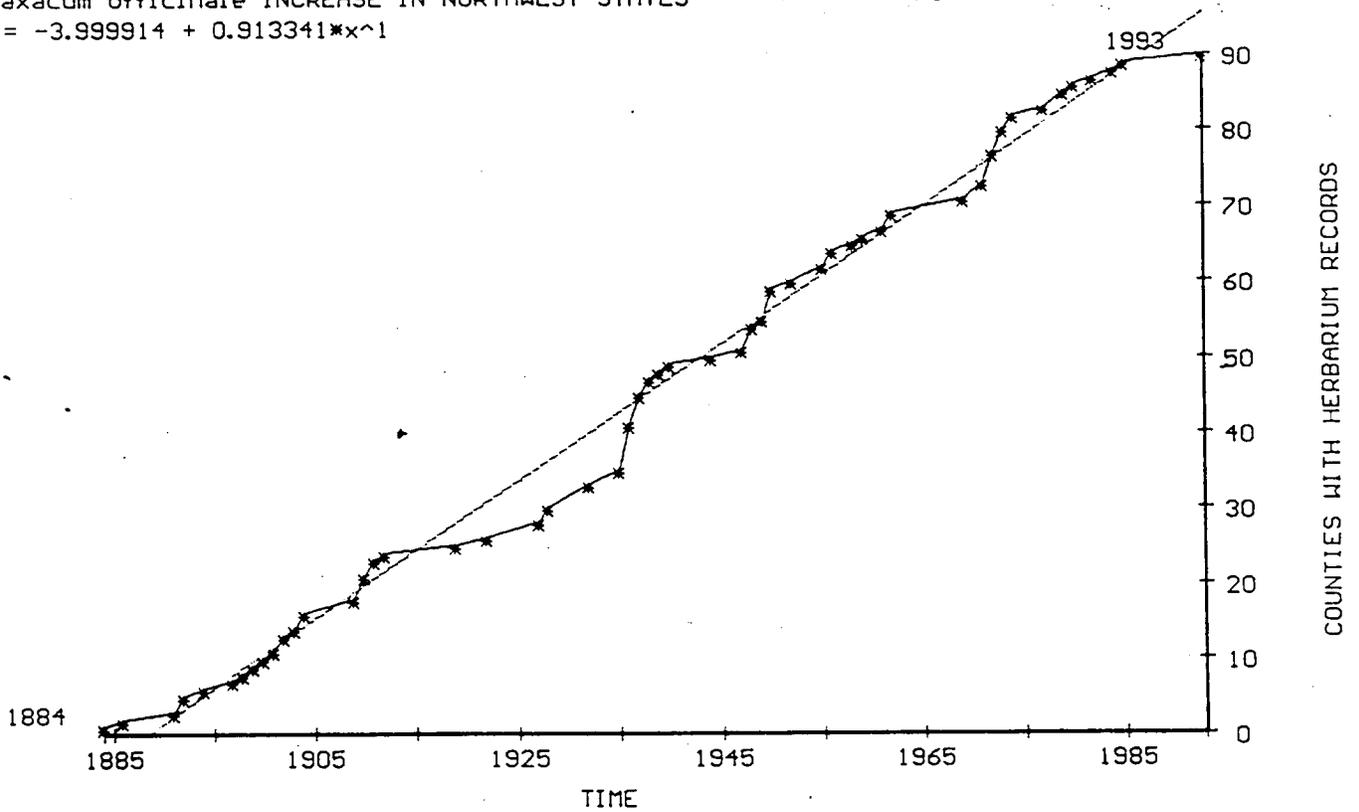
$$y = -0.097411 + 0.121222 * x^1 + 0.005446 * x^2$$



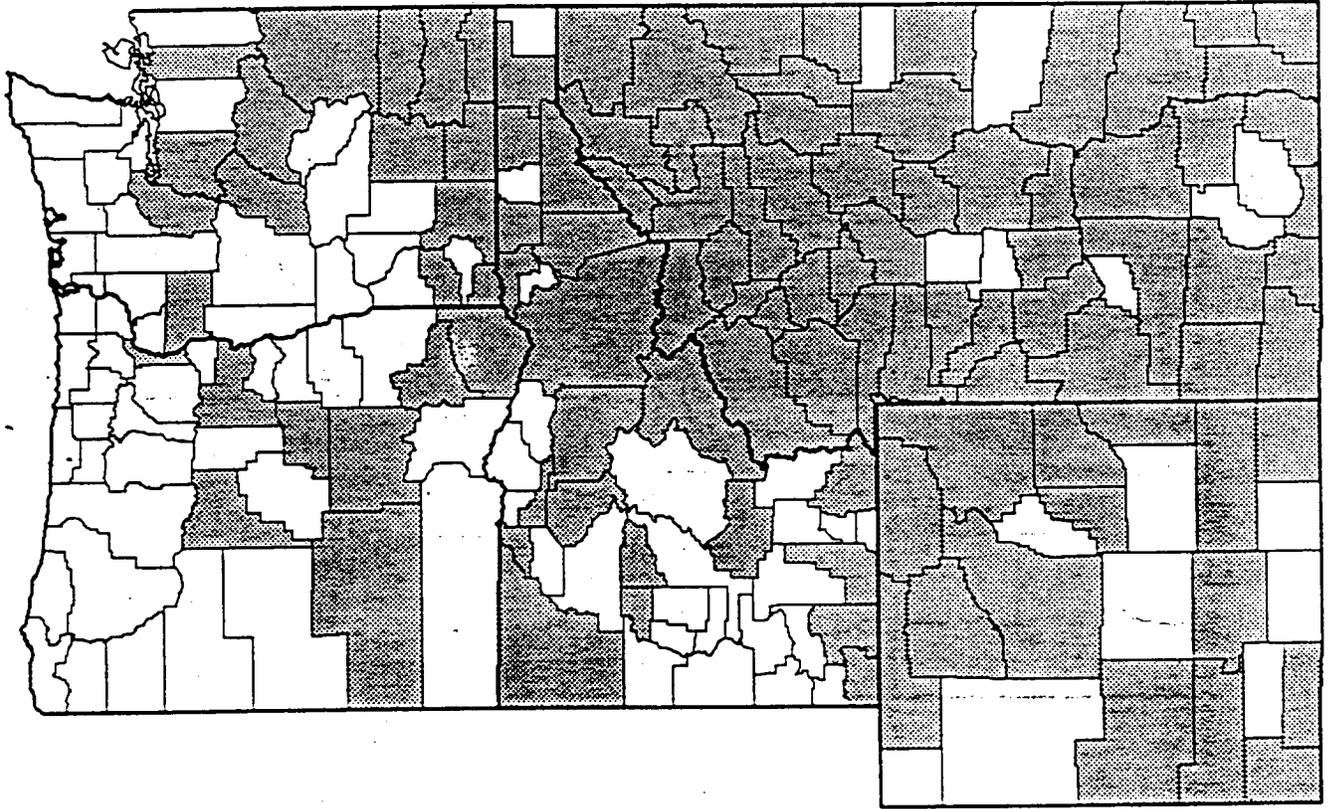
Counties reporting the exotic *Taraxacum officinale* (dandelion), 1875-1994.



*Taraxacum officinale* INCREASE IN NORTHWEST STATES  
 $y = -3.999914 + 0.913341 * x^1$

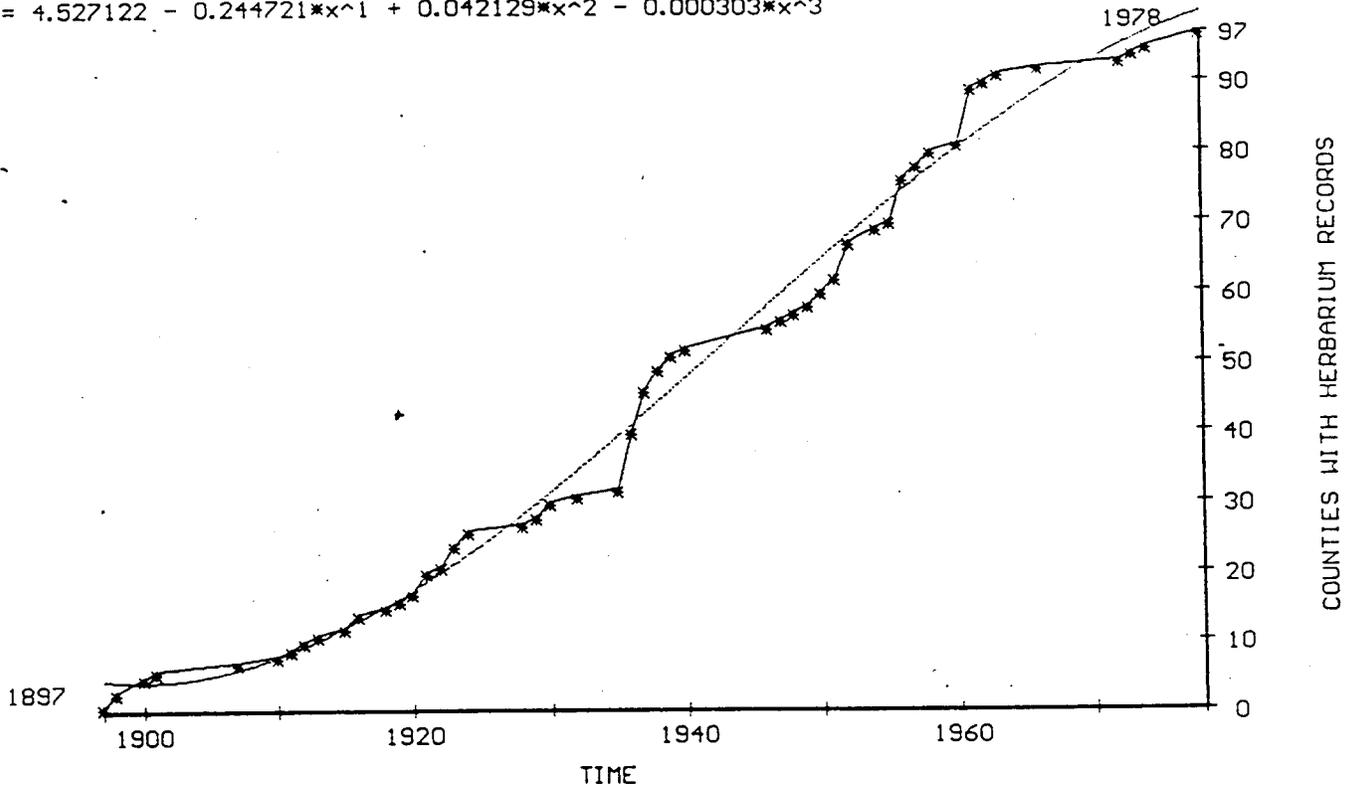


Counties reporting the exotic *Thlaspi arvense* (field pennycress), 1875-1993.

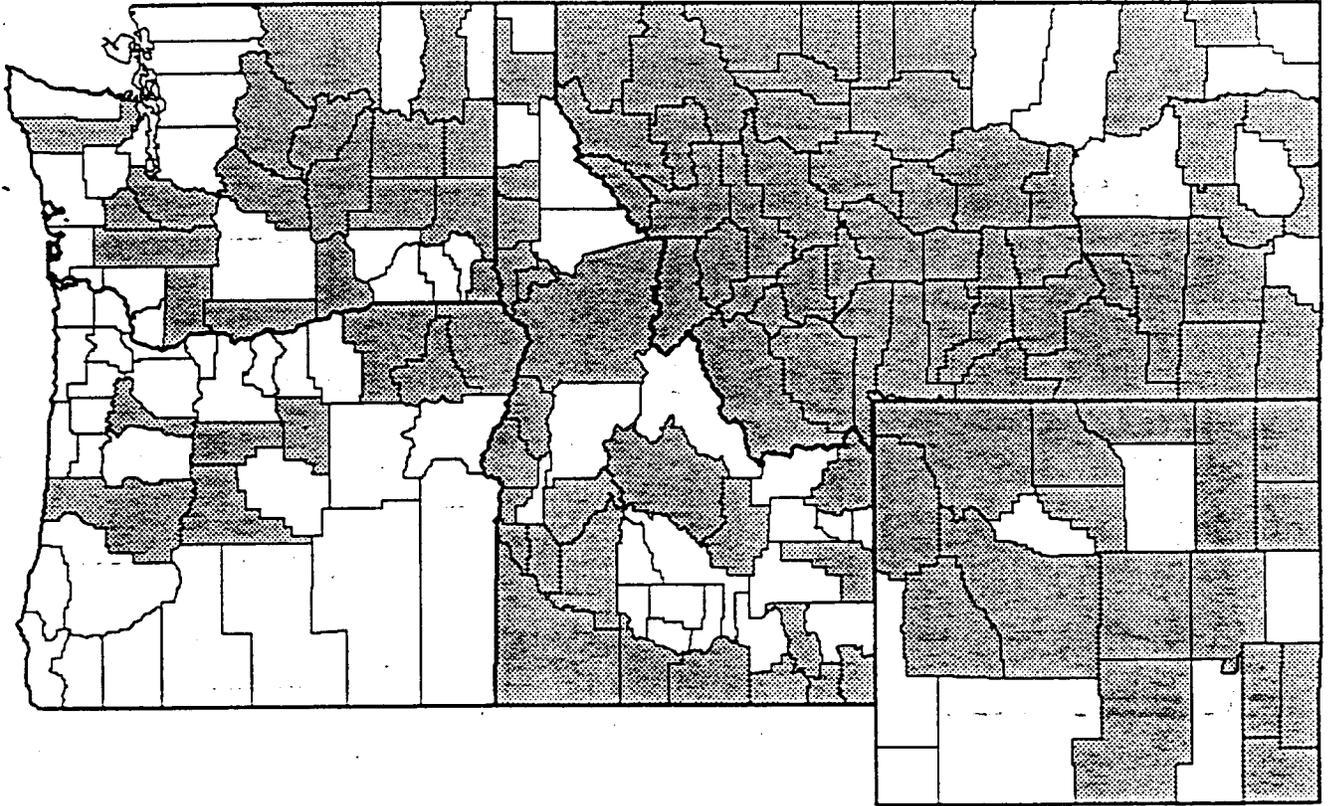


*Thlaspi arvense* INCREASE IN NORTHWEST STATES

$$y = 4.527122 - 0.244721 * x^1 + 0.042129 * x^2 - 0.000303 * x^3$$

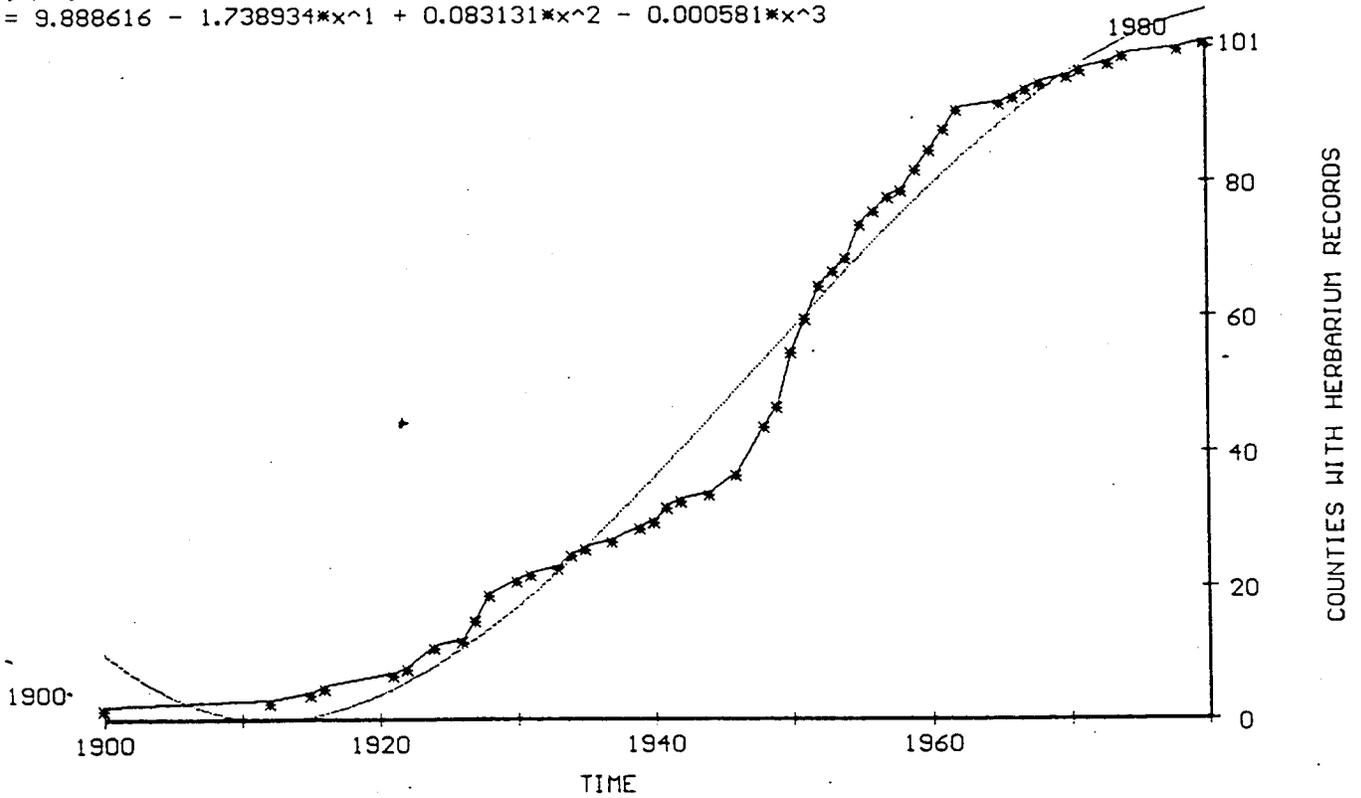


Counties reporting the exotic *Tragopogon dubius* (western salsify), 1875-1993.

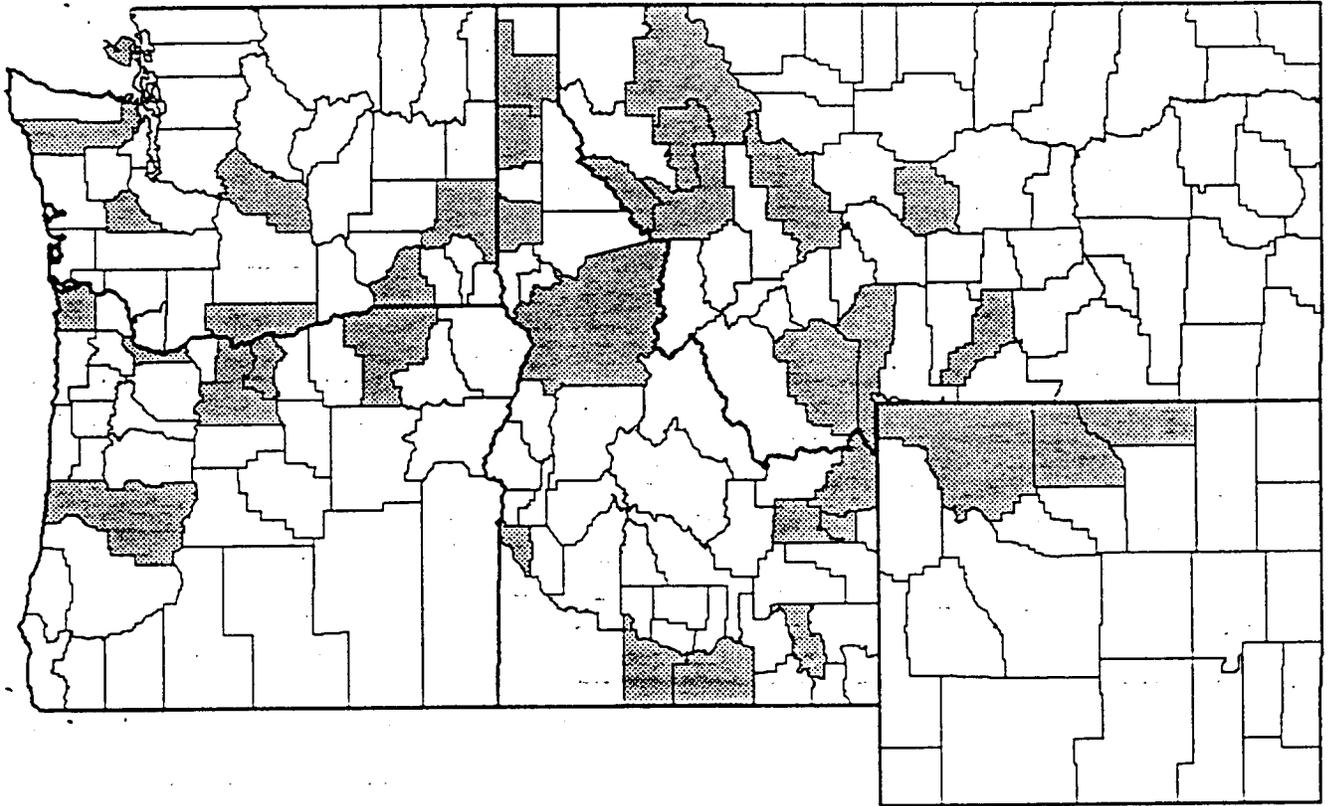


*Tragopogon dubius* INCREASE IN NORTHWEST STATES

$$y = 9.888616 - 1.738934 * x^1 + 0.083131 * x^2 - 0.000581 * x^3$$

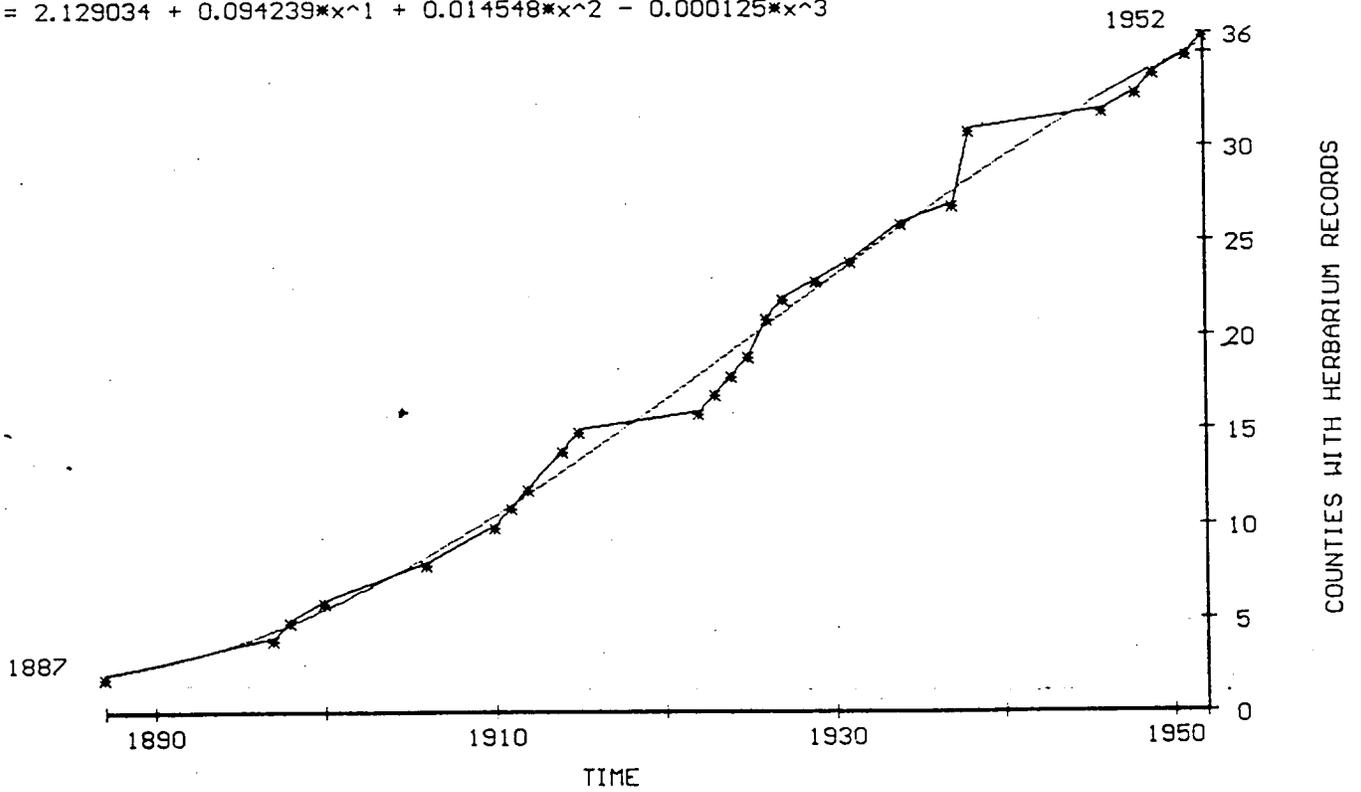


Counties reporting the exotic *Tragopogon porrifolius* (common salsify), 1875-1988.

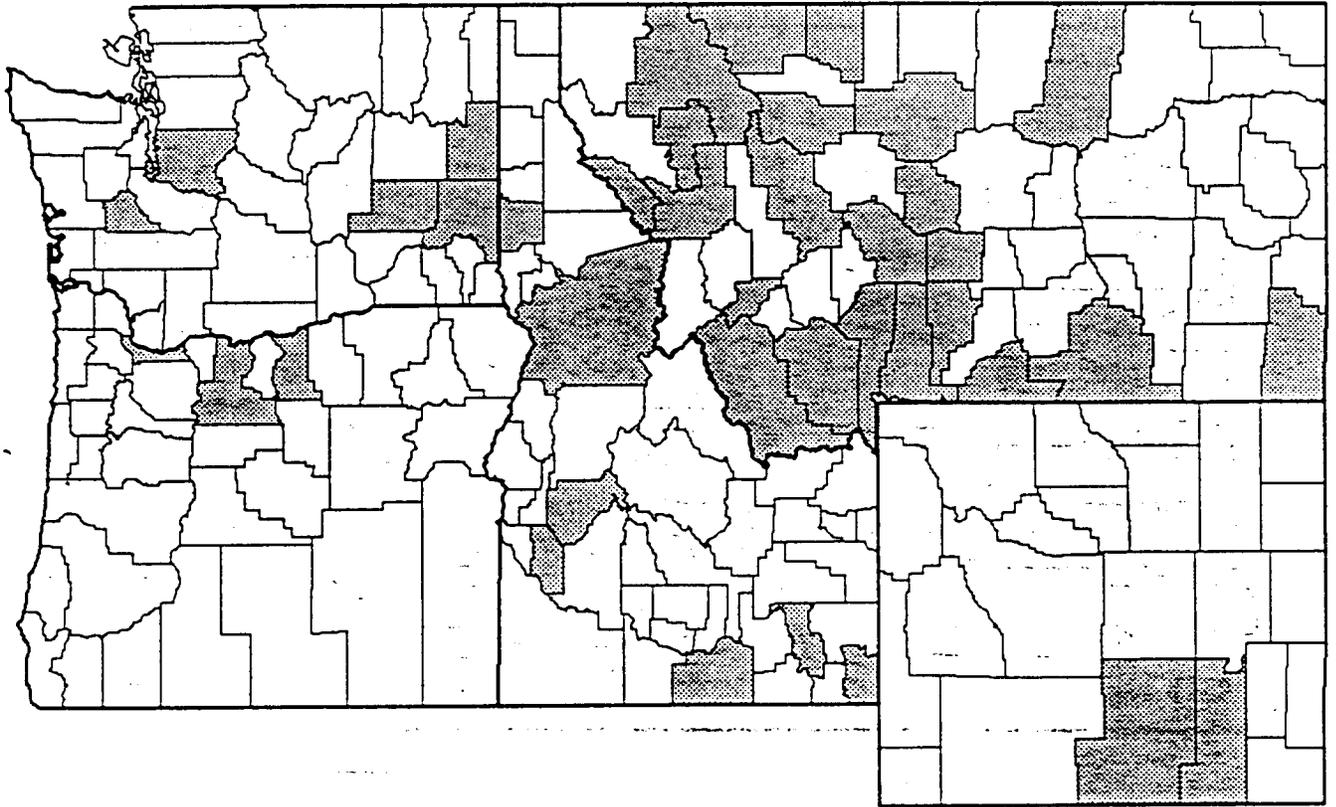


*Tragopogon porrifolius* INCREASE IN NORTHWEST STATES

$$y = 2.129034 + 0.094239 * x^1 + 0.014548 * x^2 - 0.000125 * x^3$$

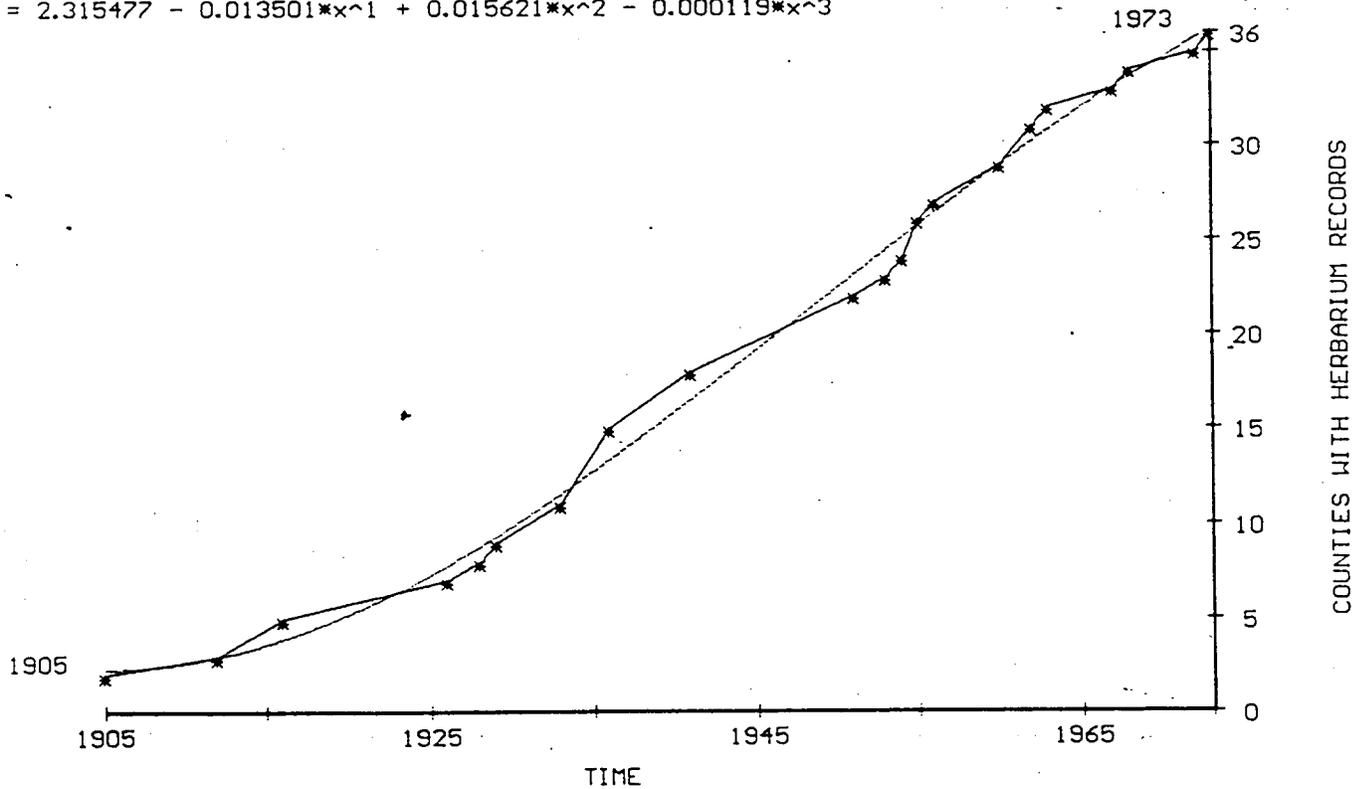


Counties reporting the exotic *Tragopogon pratensis* (meadow salsify), 1875-1994.

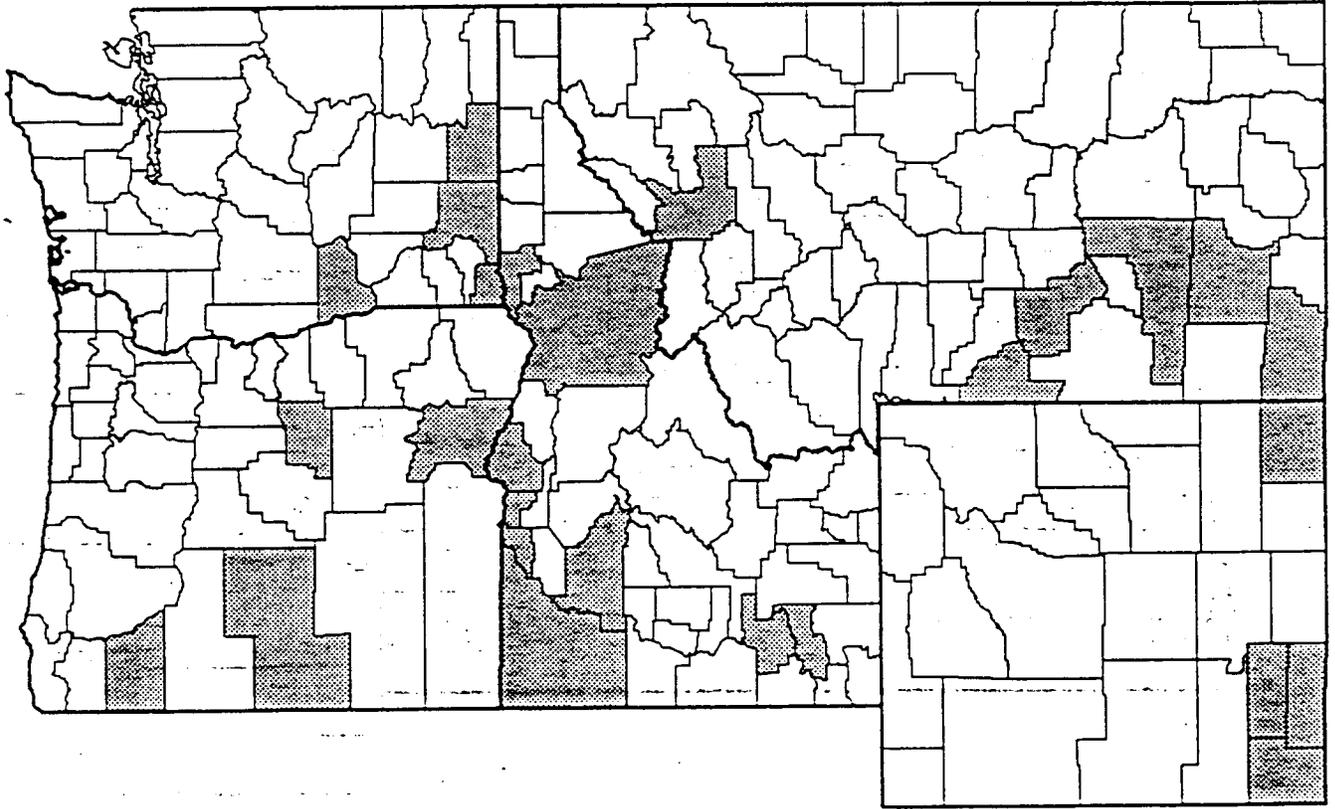


*Tragopogon pratensis* INCREASE IN NORTHWEST STATES

$$y = 2.315477 - 0.013501*x^1 + 0.015621*x^2 - 0.000119*x^3$$

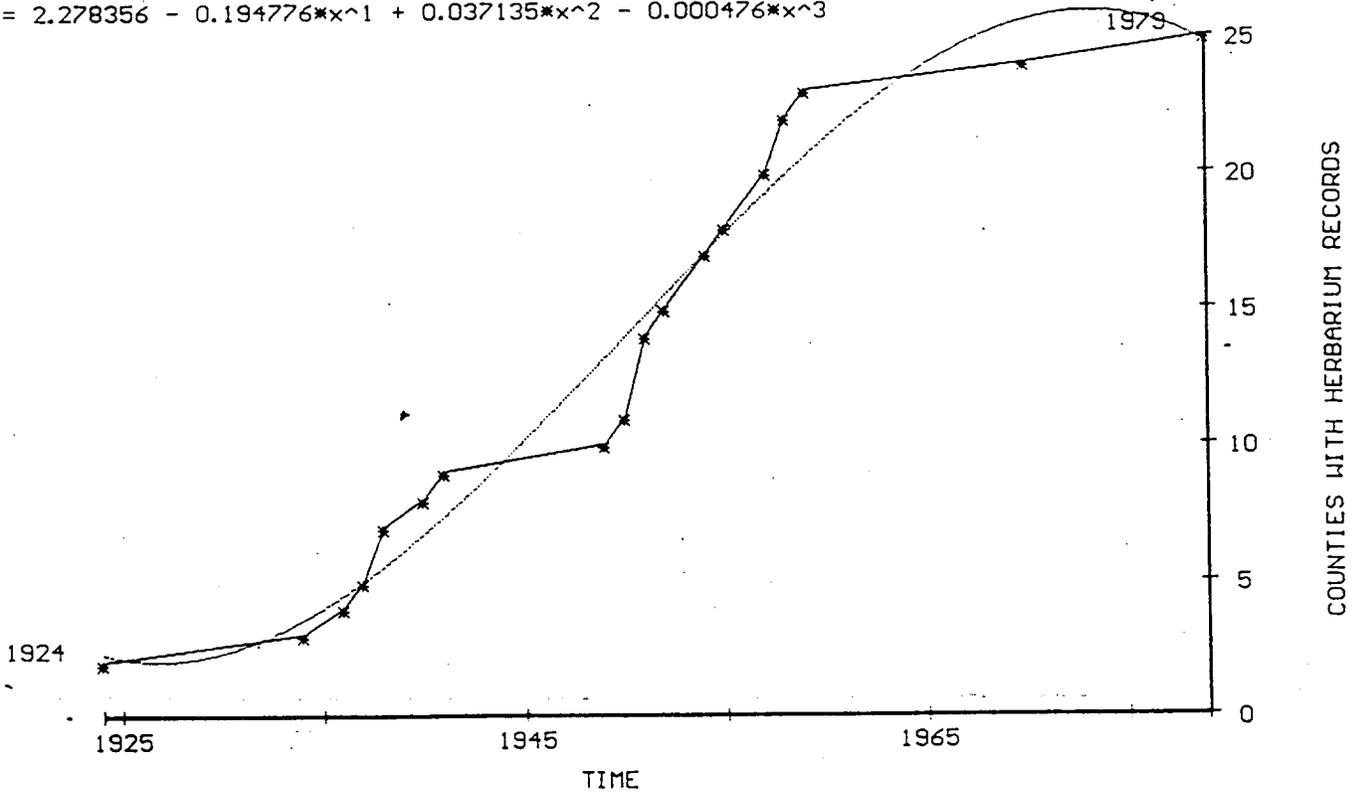


Counties reporting the exotic *Tribulus terrestris* (puncturevine), 1875-1993.

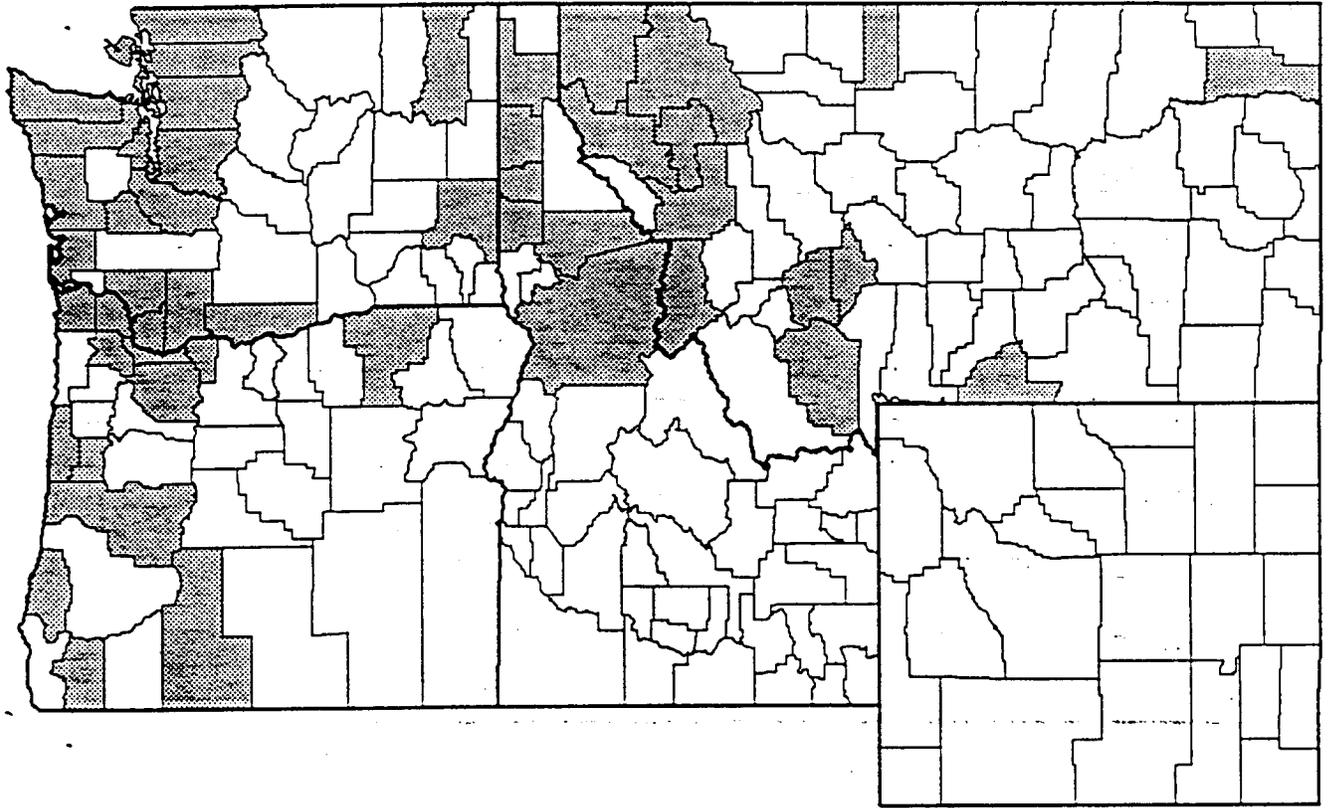


*Tribulus terrestris* INCREASE IN NORTHWEST STATES

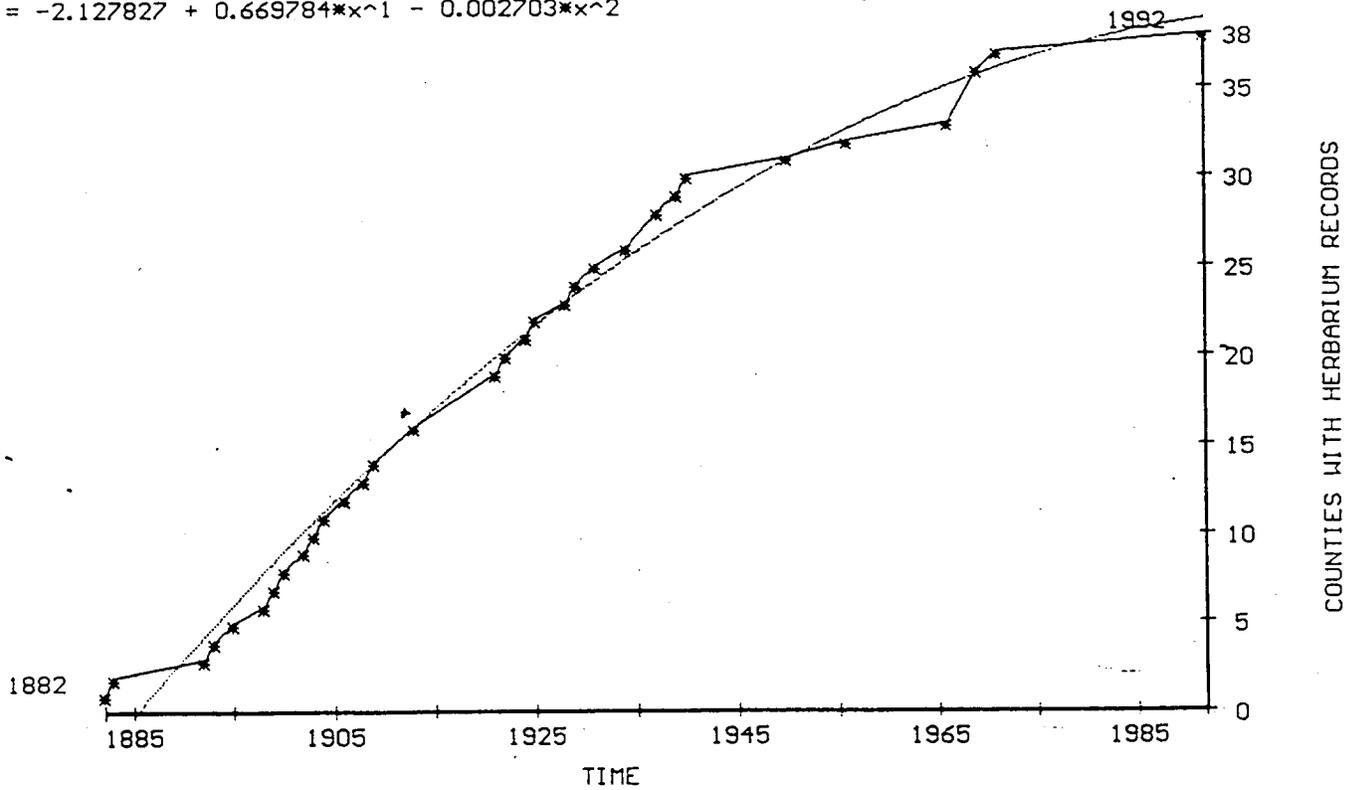
$$y = 2.278356 - 0.194776 * x^1 + 0.037135 * x^2 - 0.000476 * x^3$$



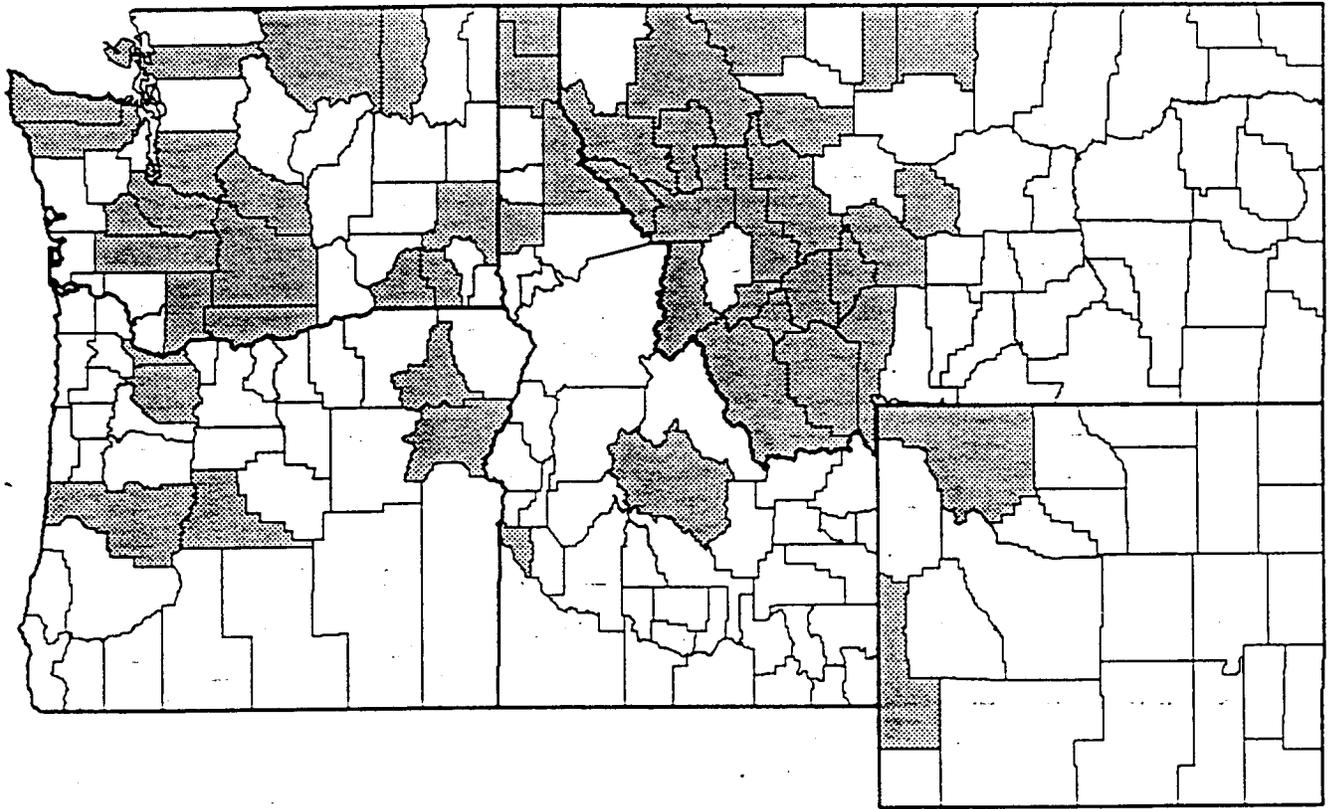
Counties reporting the exotic *Trifolium dubium* (small hop clover), 1875-1993.



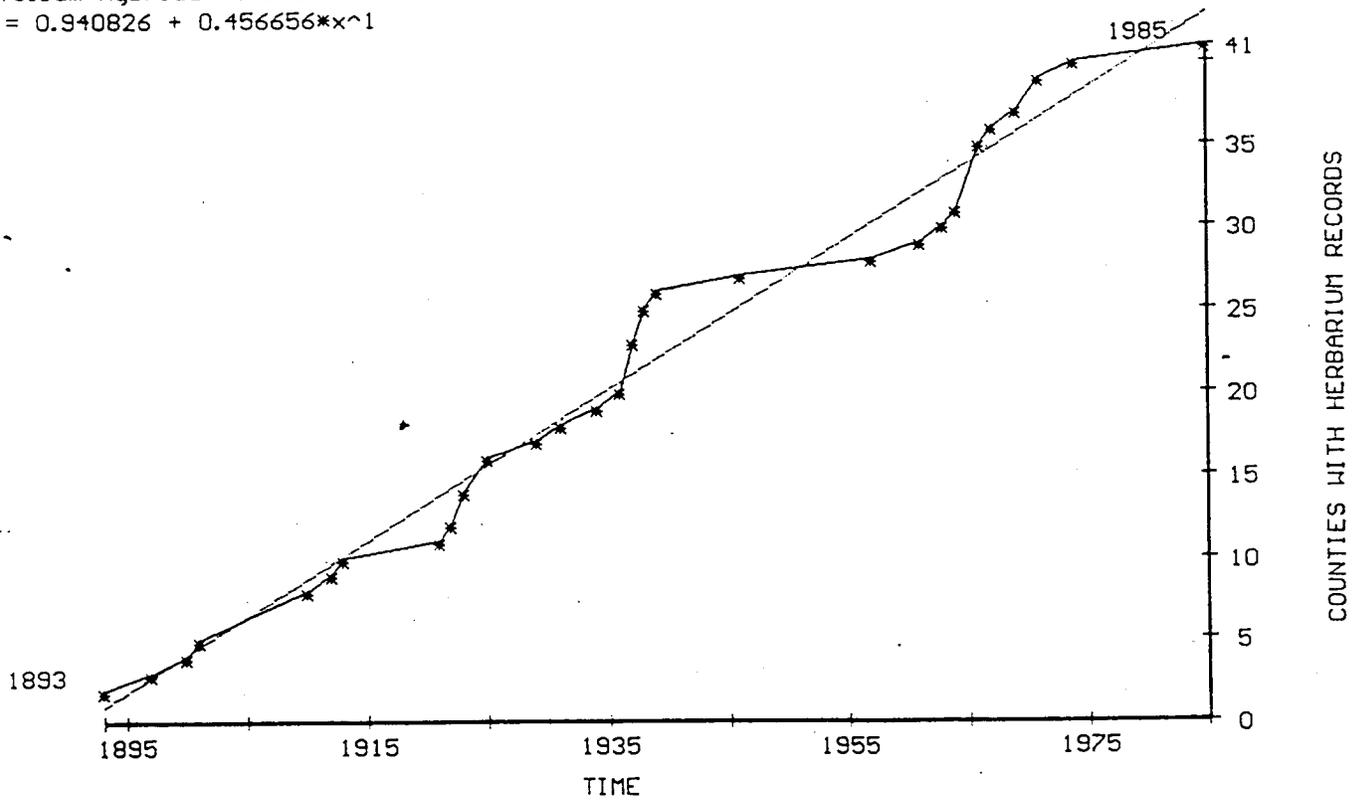
*Trifolium dubium* INCREASE IN NORTHWEST STATES  
 $y = -2.127827 + 0.669784 * x^1 - 0.002703 * x^2$



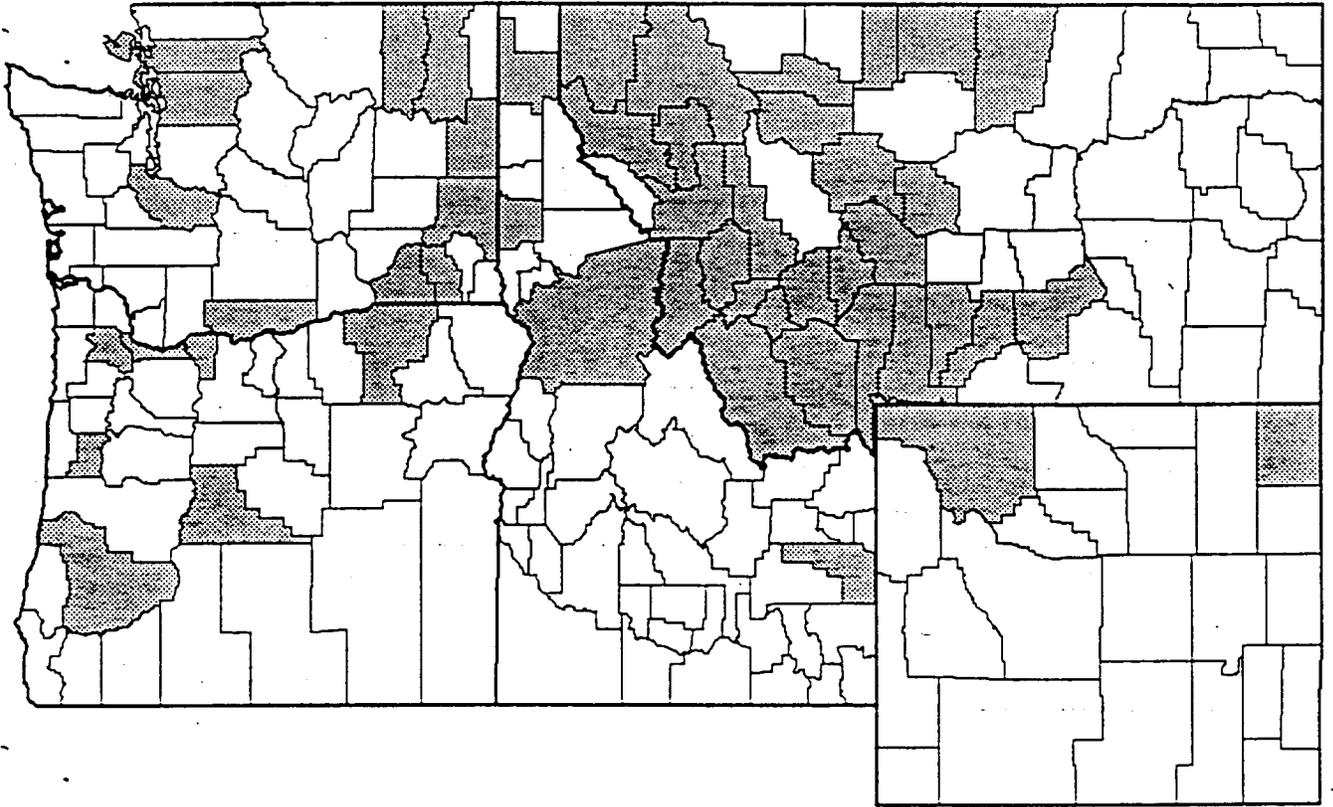
Counties reporting the exotic *Trifolium hybridum* (alsike clover), 1875-1993.



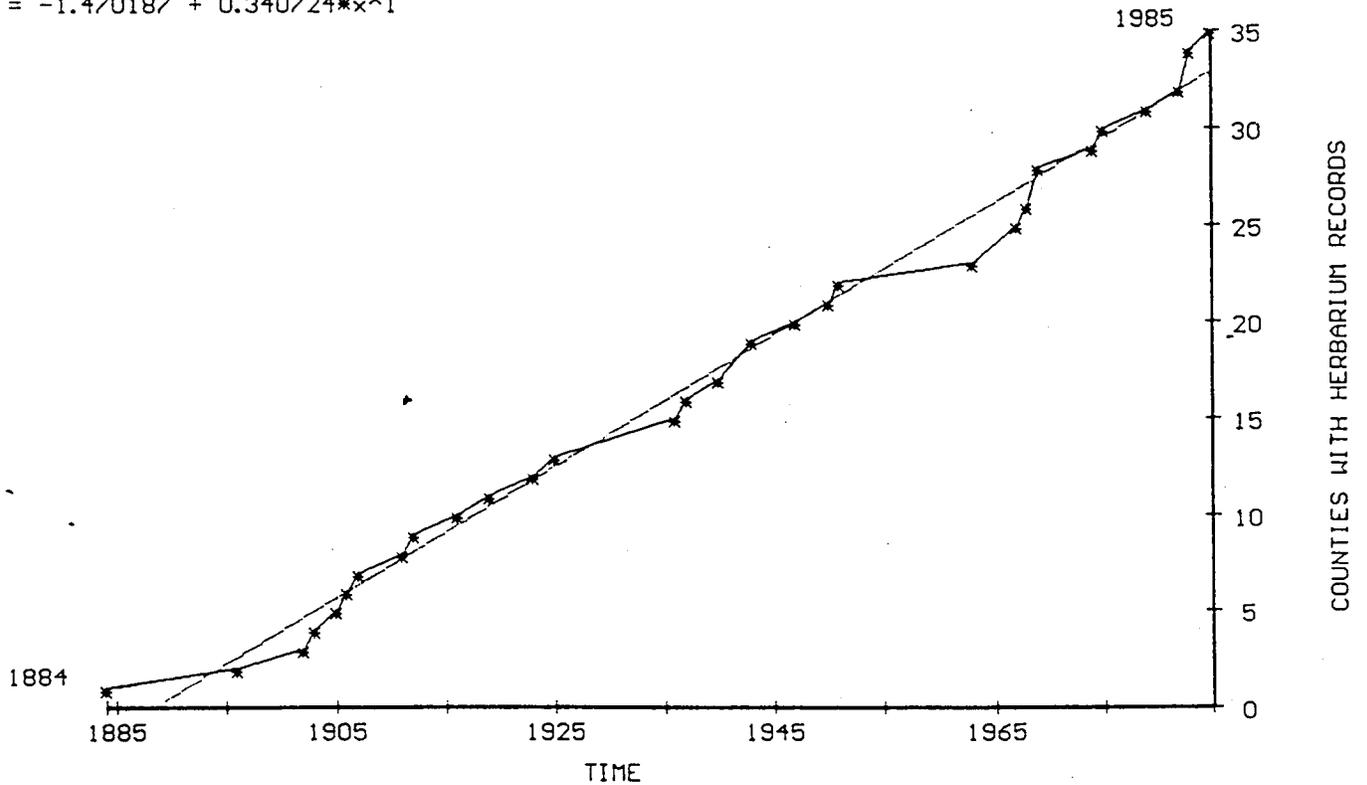
*Trifolium hybridum* INCREASE IN NORTHWEST STATES  
 $y = 0.940826 + 0.456656 * x^1$



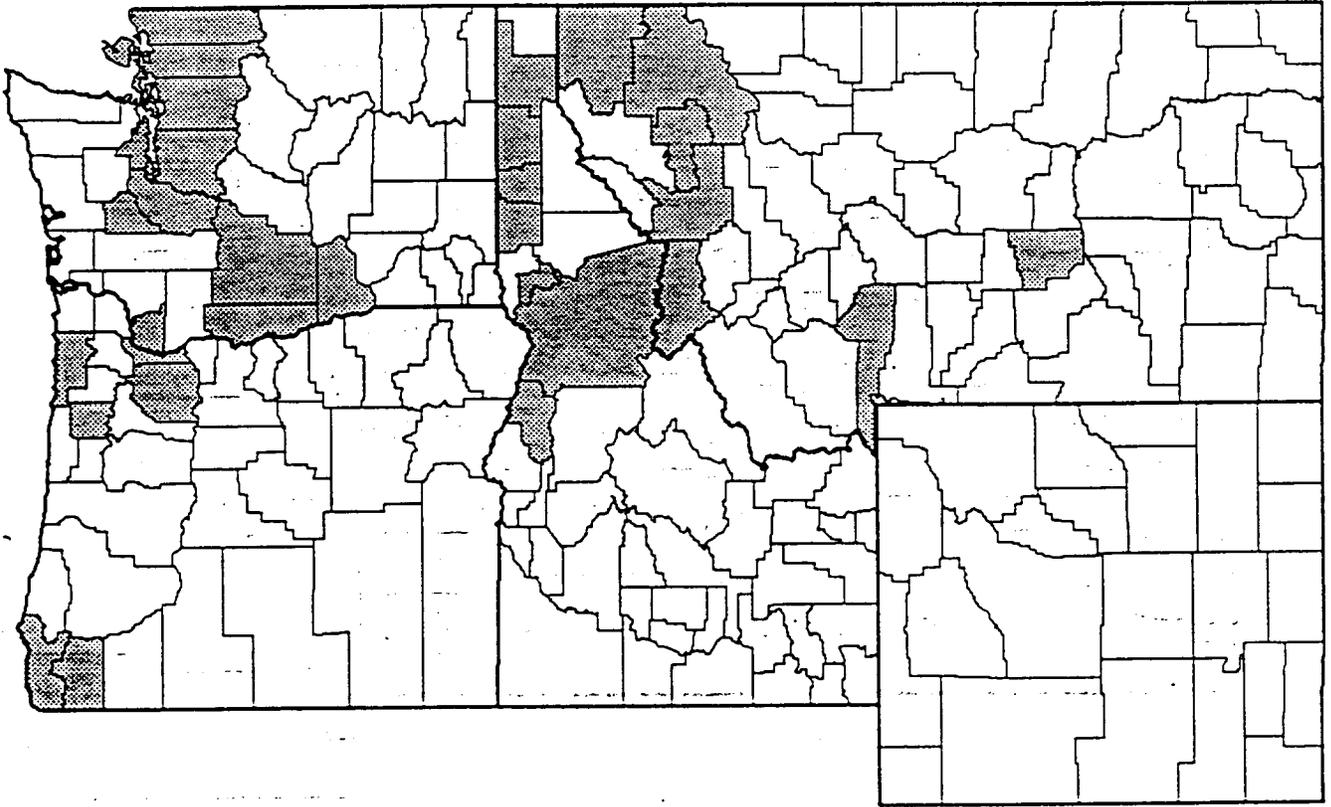
Counties reporting the exotic *Trifolium pratense* (red clover), 1875-1993.



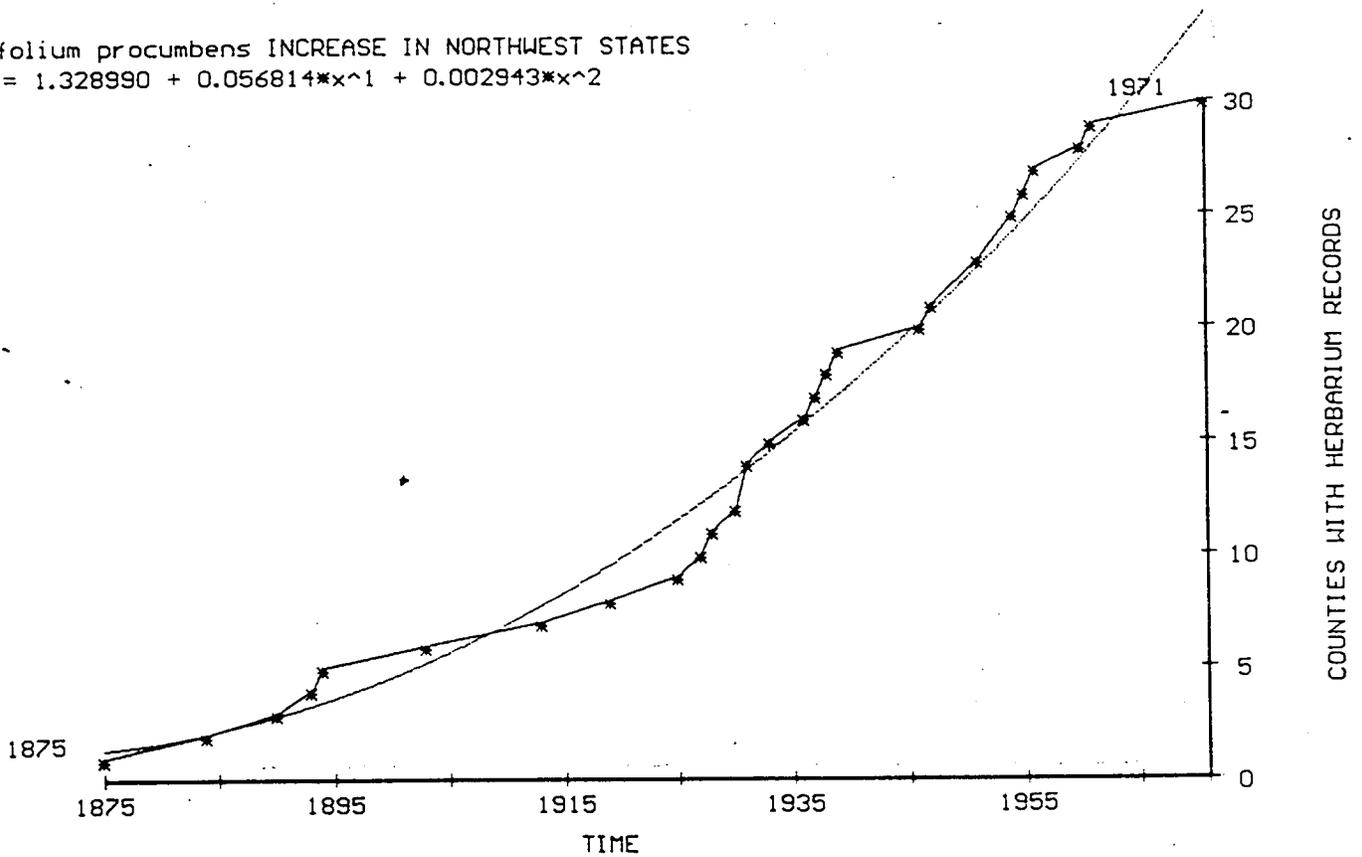
*Trifolium pratense* INCREASE IN NORTHWEST STATES  
 $y = -1.470187 + 0.340724 * x^1$



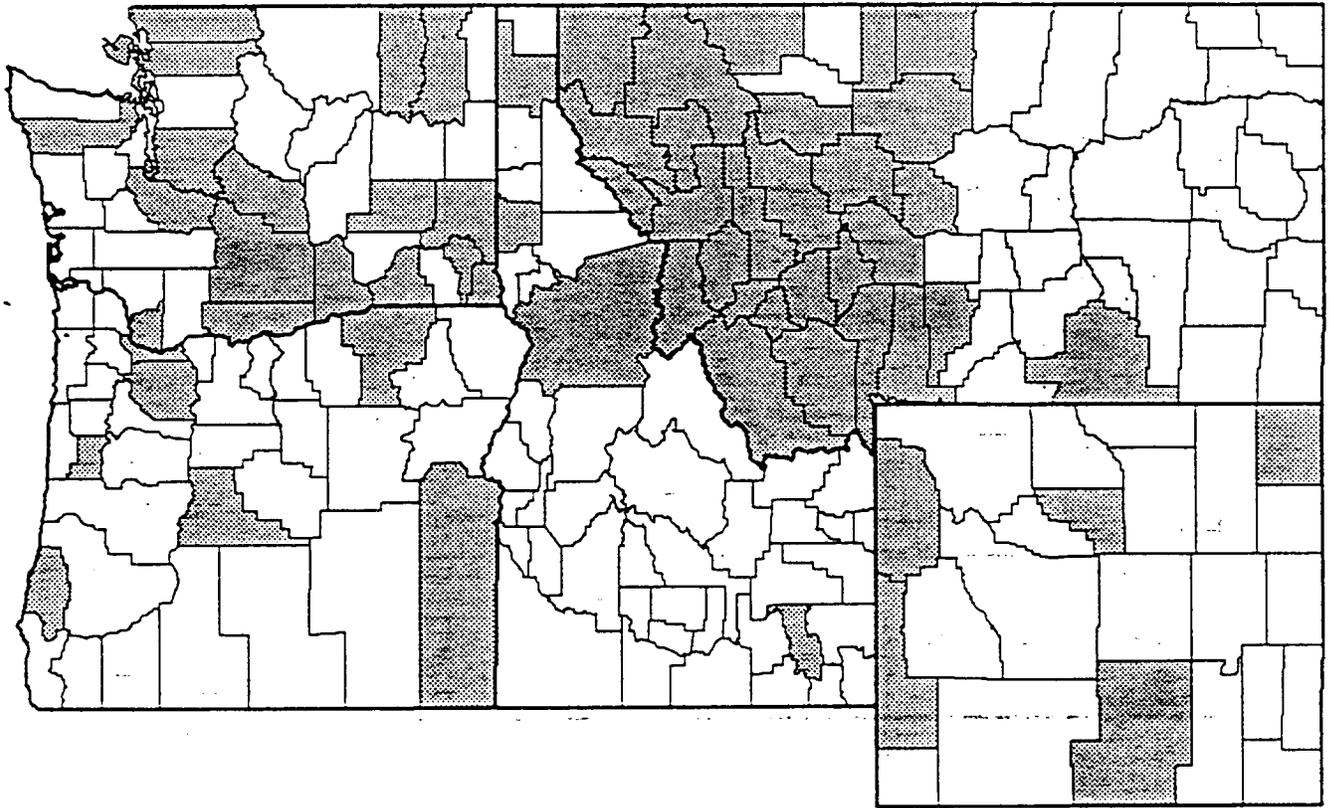
Counties reporting the exotic *Trifolium procumbens* (large hop clover), 1875-1993.



*Trifolium procumbens* INCREASE IN NORTHWEST STATES  
 $y = 1.328990 + 0.056814 * x^1 + 0.002943 * x^2$

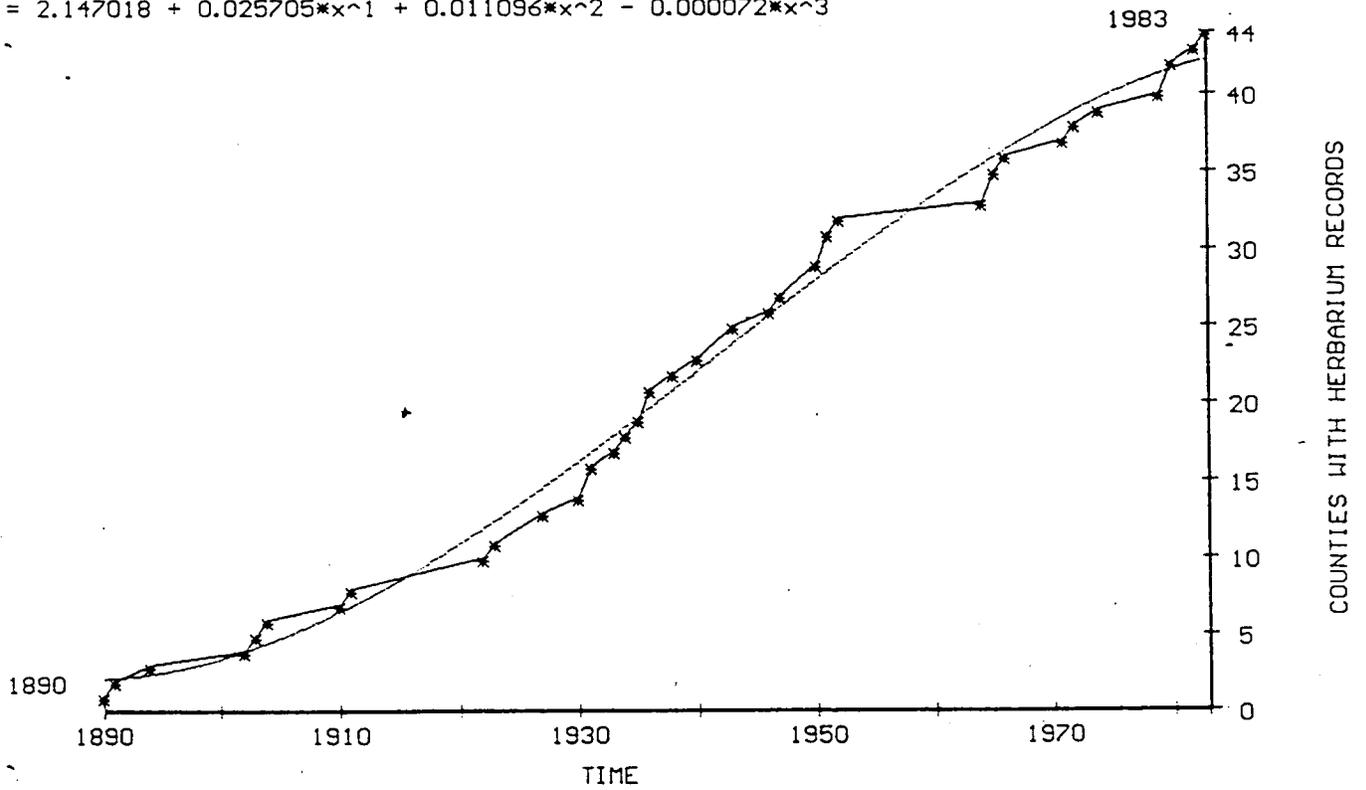


Counties reporting the exotic *Trifolium repens* (white clover), 1875-1994.

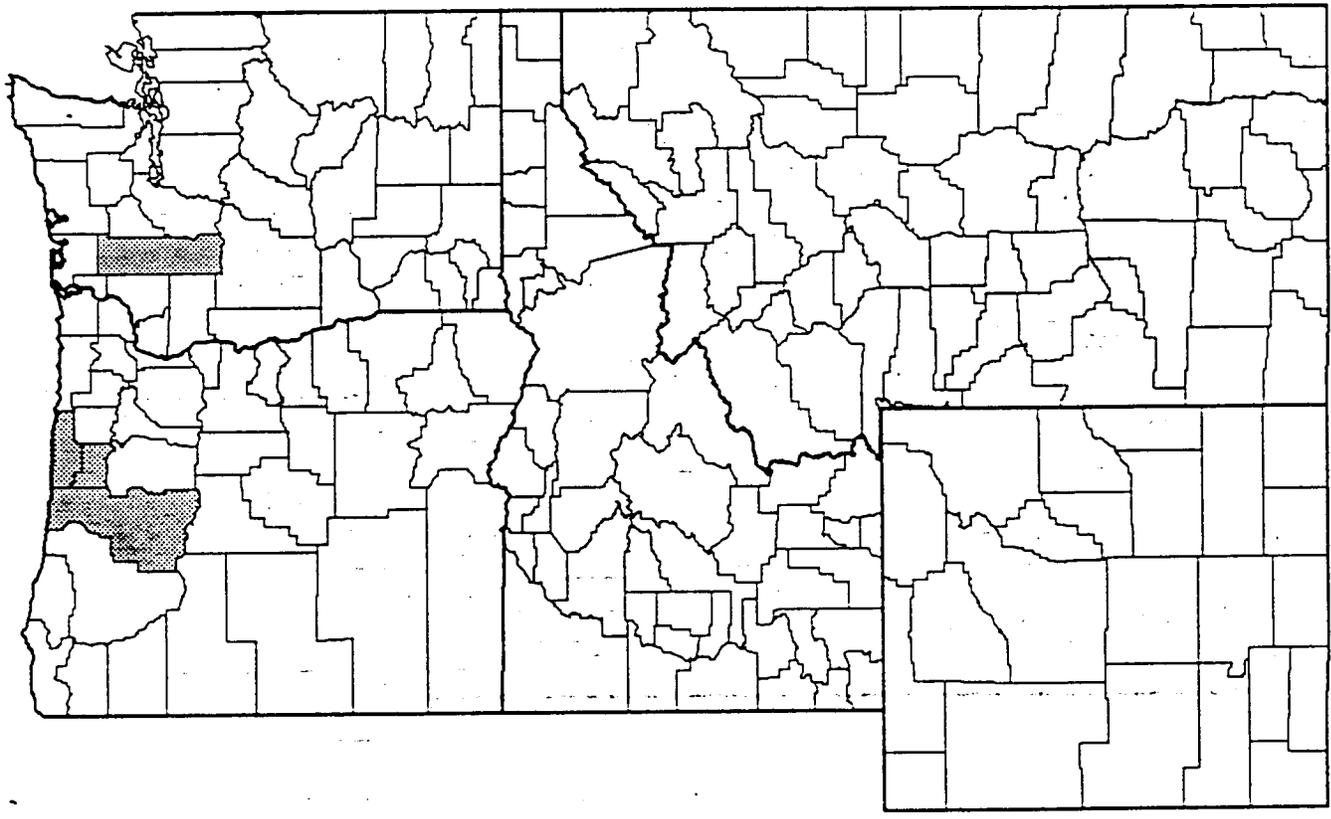


*Trifolium repens* INCREASE IN NORTHWEST STATES

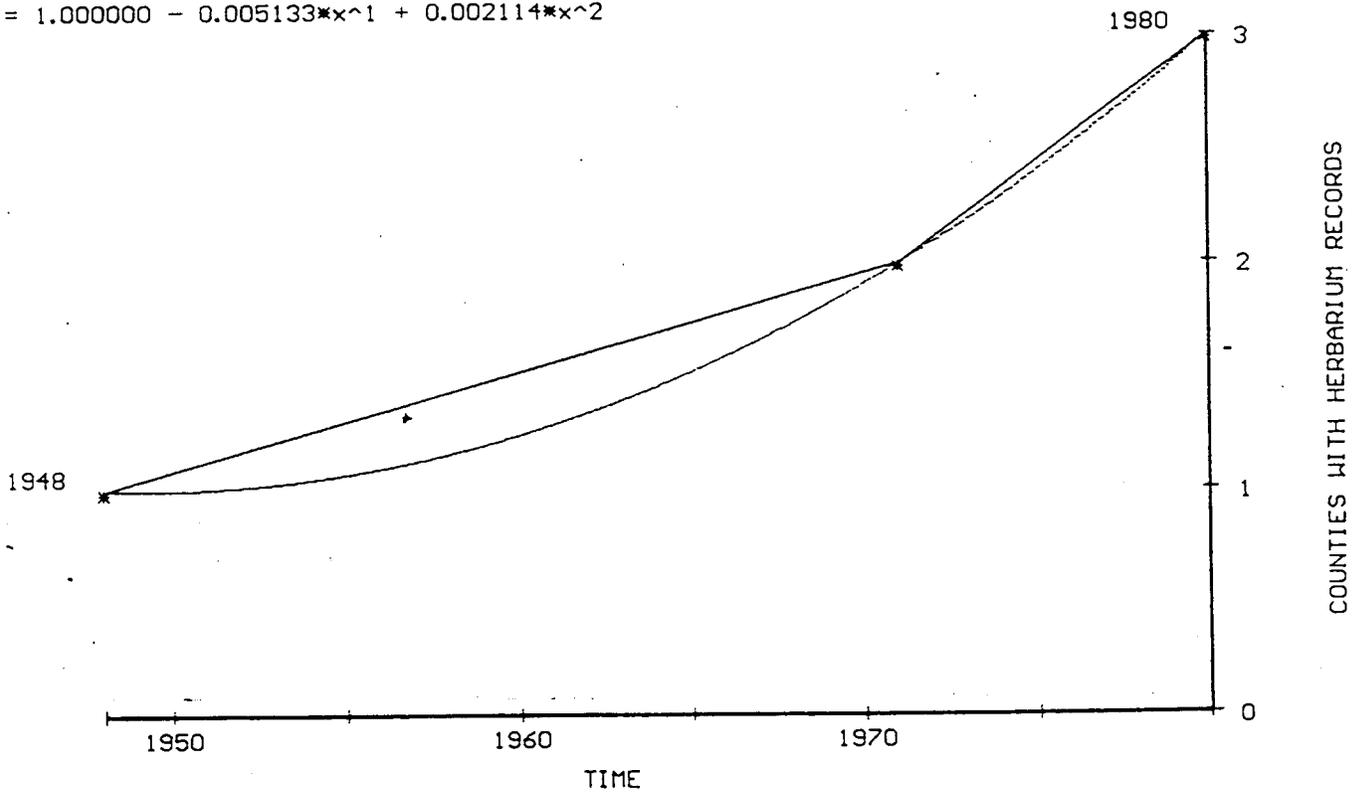
$$y = 2.147018 + 0.025705 * x^1 + 0.011096 * x^2 - 0.000072 * x^3$$



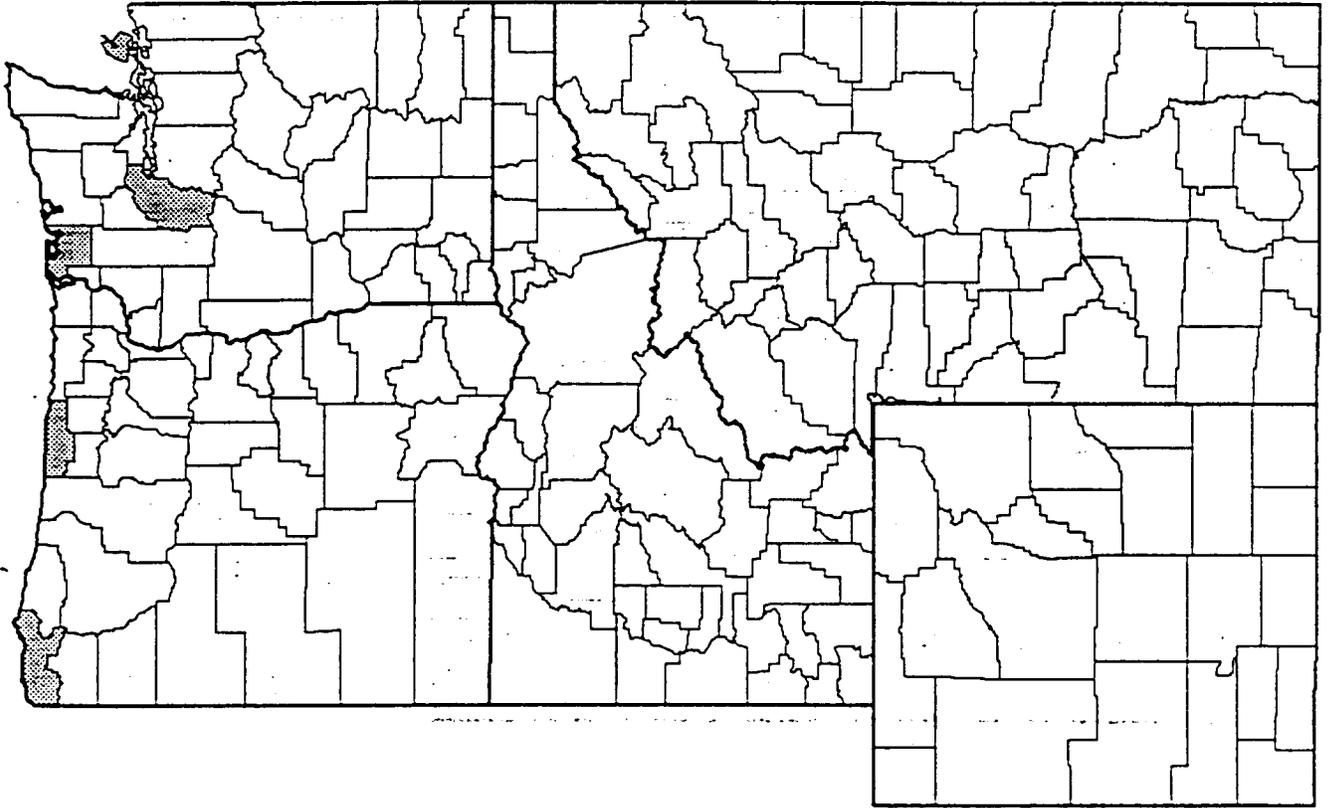
Counties reporting the exotic *Trifolium subterraneum* (subterranean clover), 1875-1989.



*Trifolium subterraneum* INCREASE IN NORTHWEST STATES  
 $y = 1.000000 - 0.005133*x^1 + 0.002114*x^2$

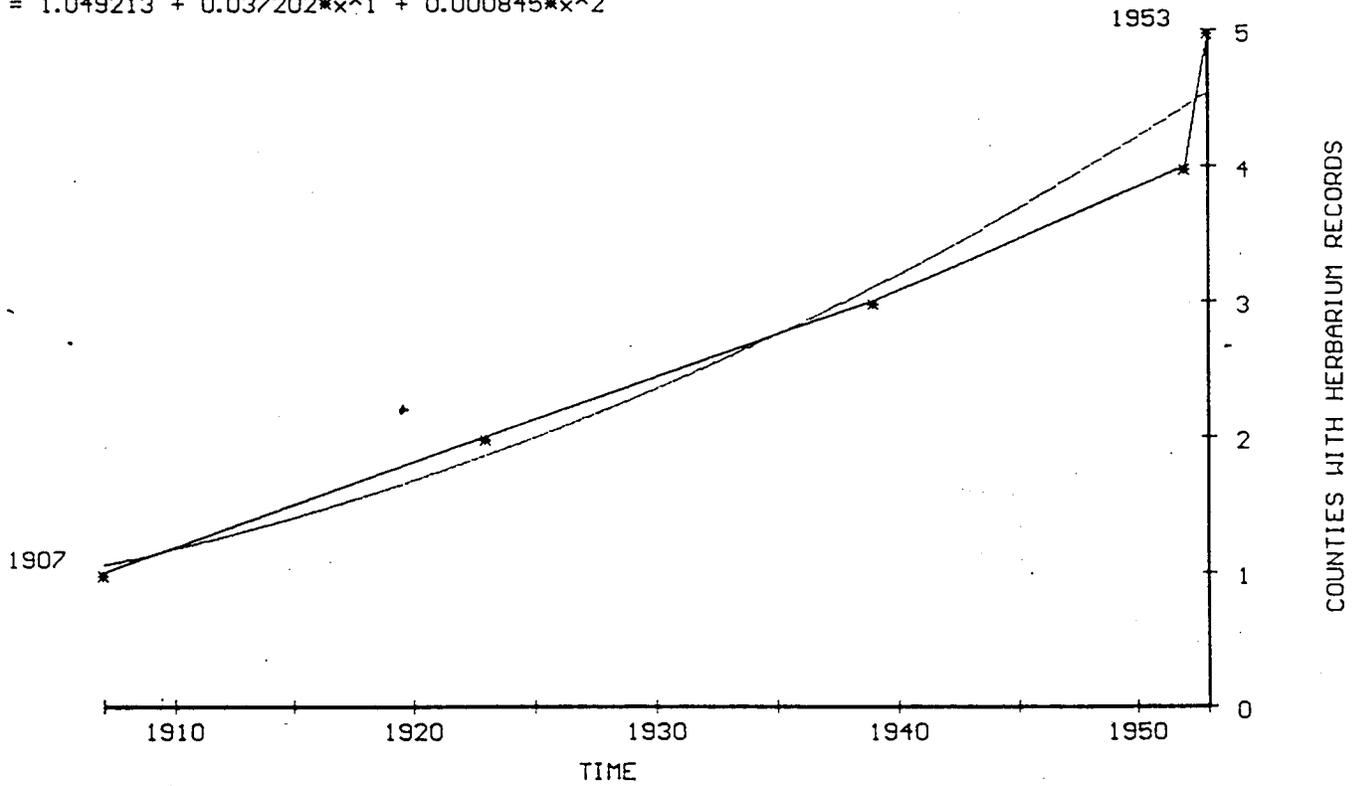


Counties reporting the exotic *Ulex europaeus* (gorse), 1875-1980.

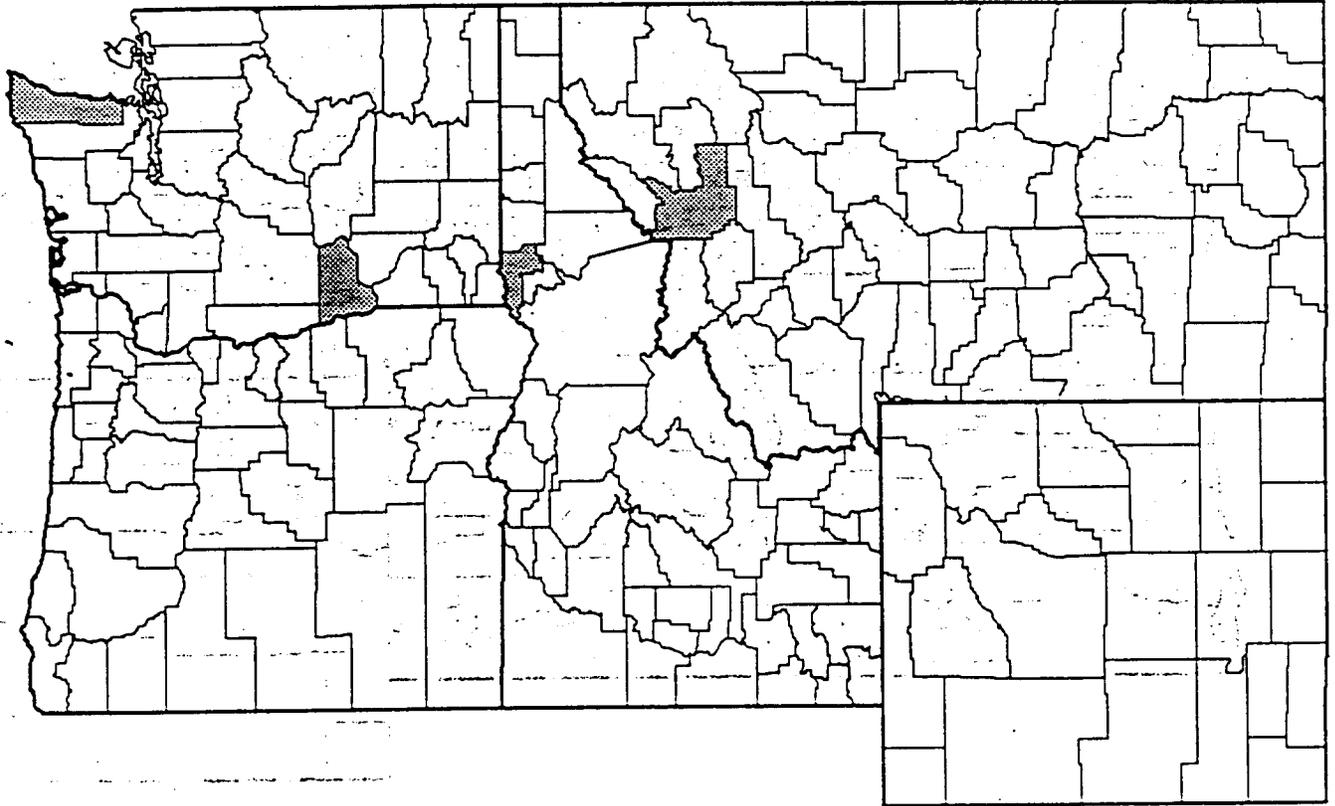


*Ulex europaeus* INCREASE IN NORTHWEST STATES

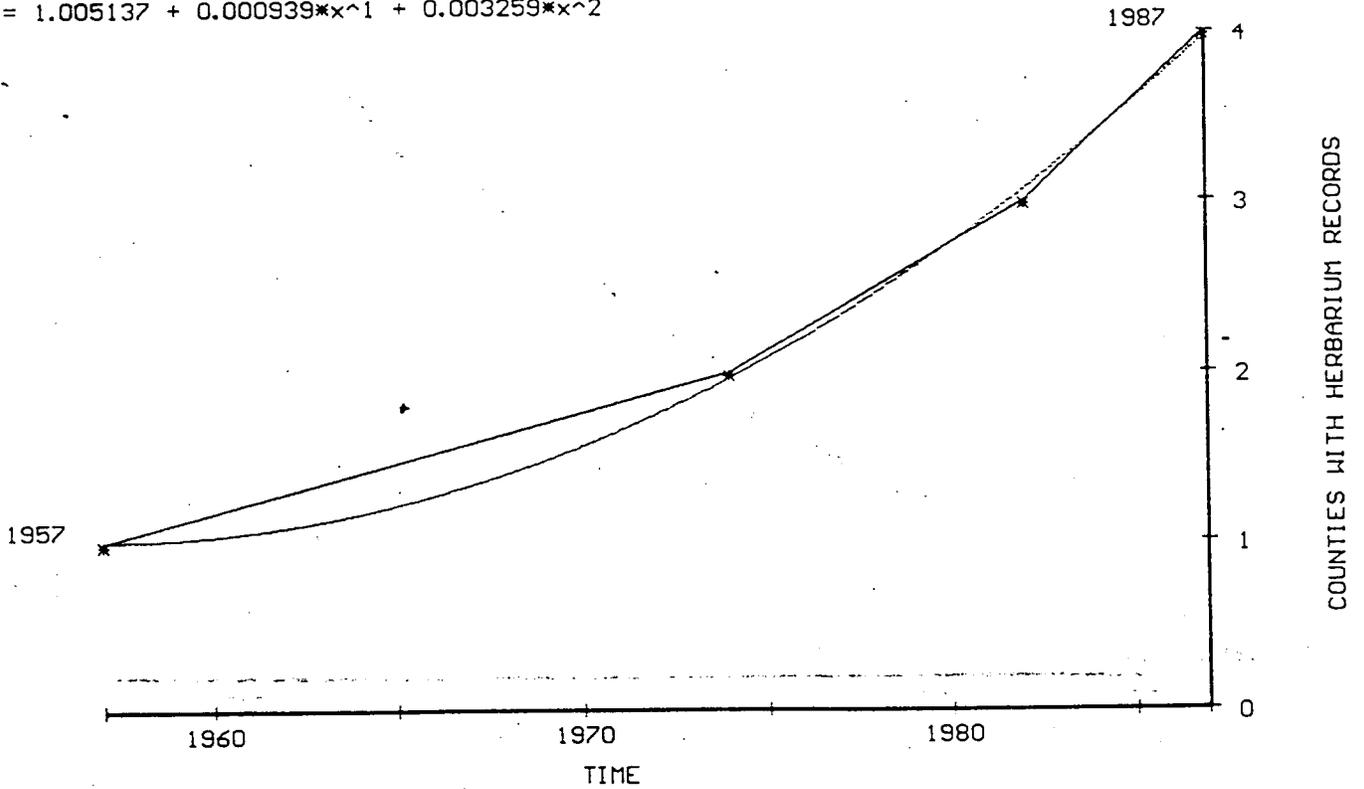
$$y = 1.049213 + 0.037202 * x^1 + 0.000845 * x^2$$



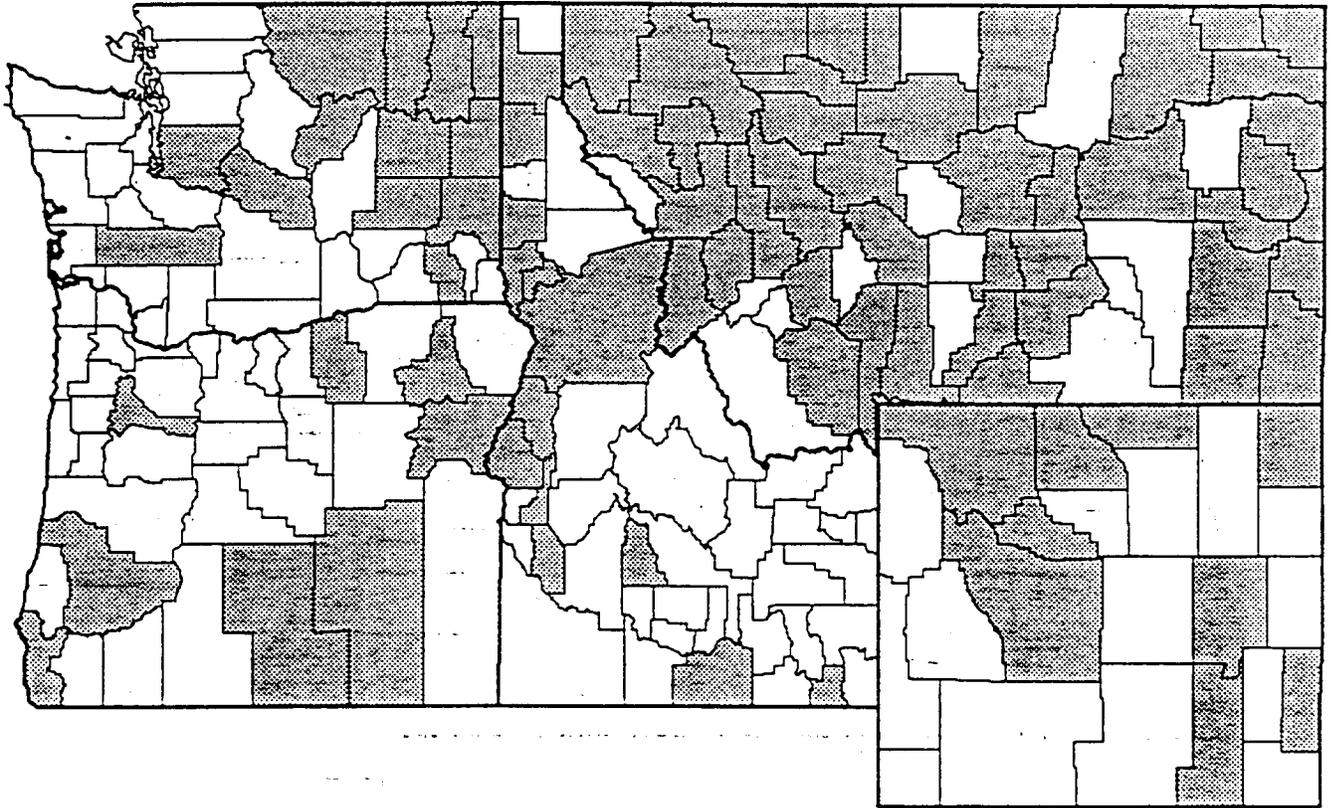
Counties reporting the exotic *Ulmus pumila* (Siberian elm), 1875-1987.



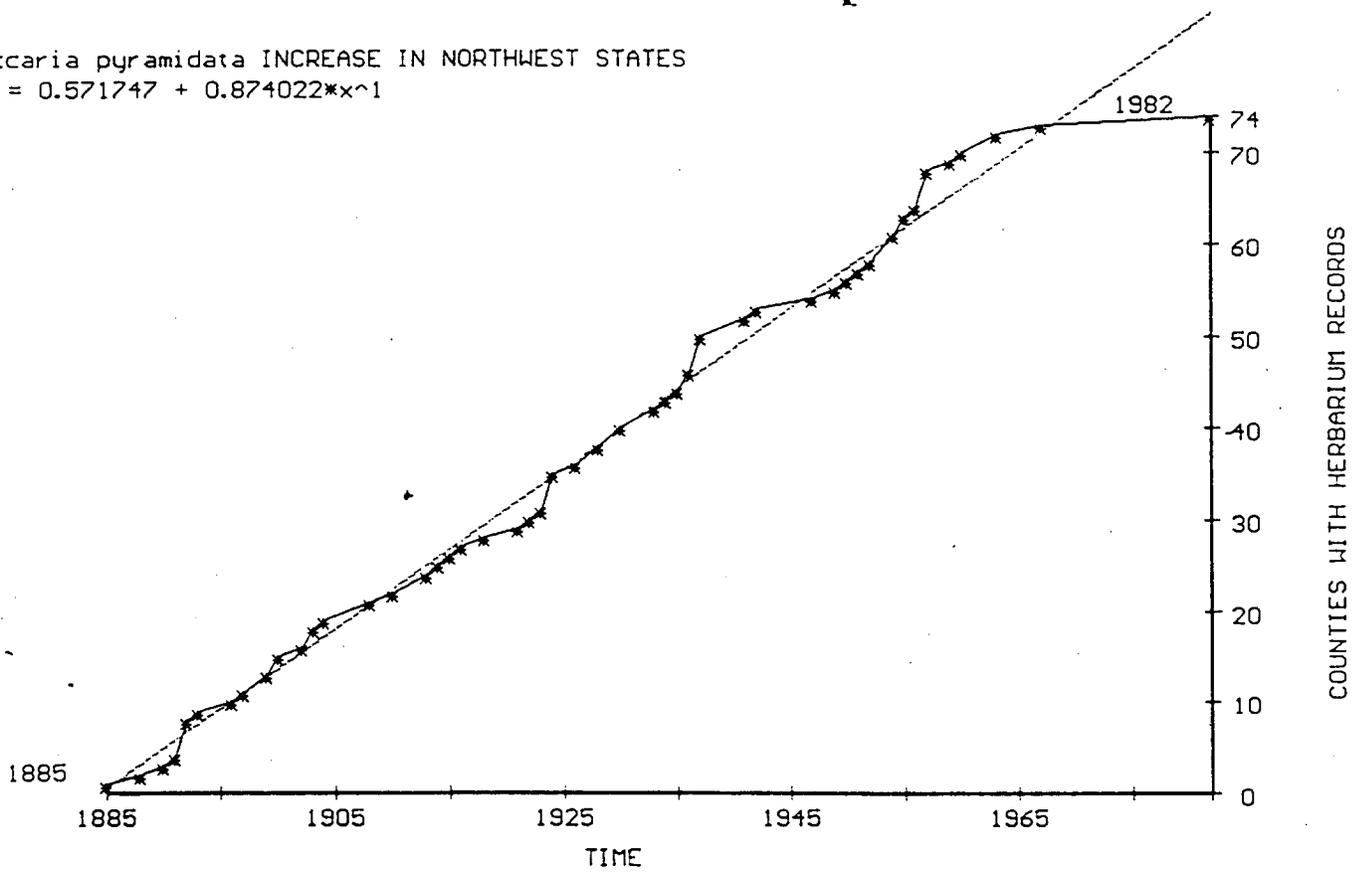
*Ulmus pumila* INCREASE IN NORTHWEST STATES  
 $y = 1.005137 + 0.000939 * x^1 + 0.003259 * x^2$



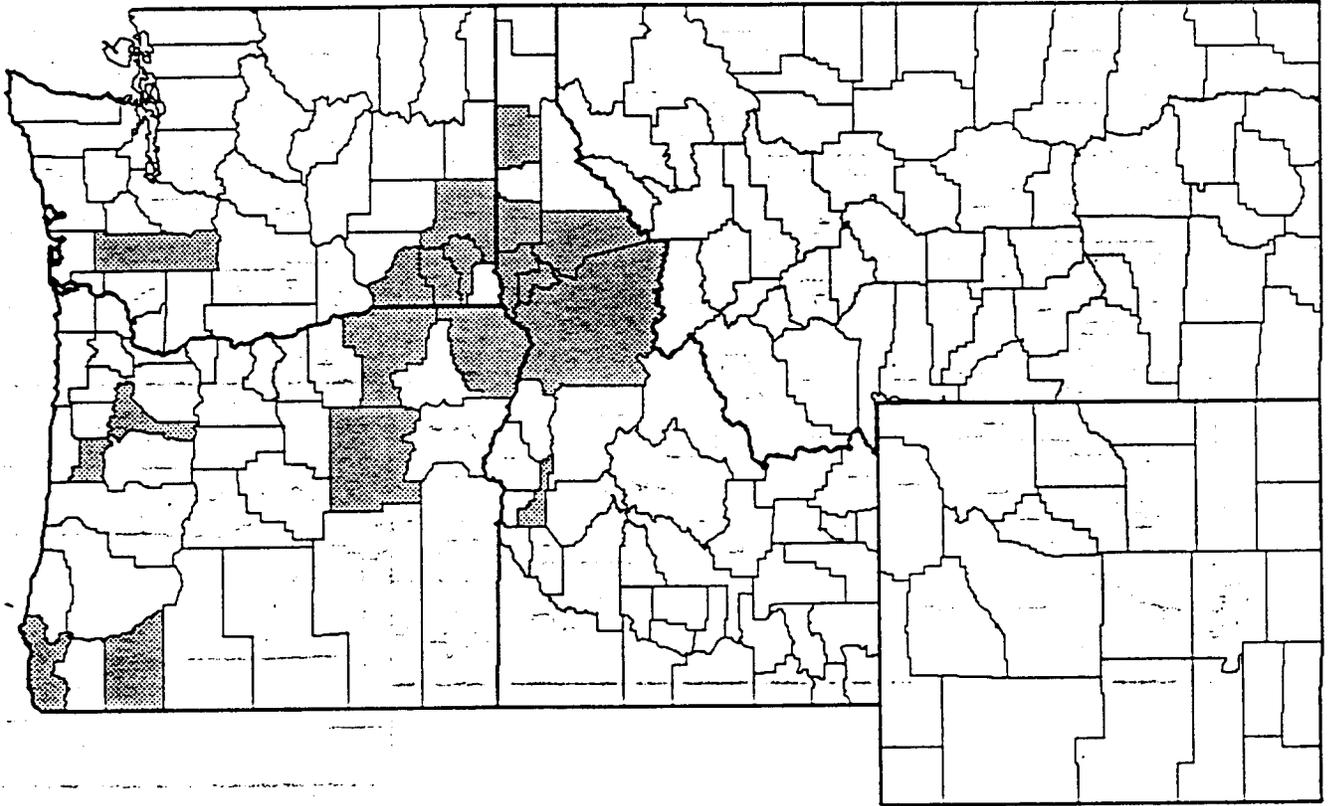
Counties reporting the exotic *Vaccaria pyramidata* (coucokle), 1875-1989.



*Vaccaria pyramidata* INCREASE IN NORTHWEST STATES  
 $y = 0.571747 + 0.874022 * x^1$

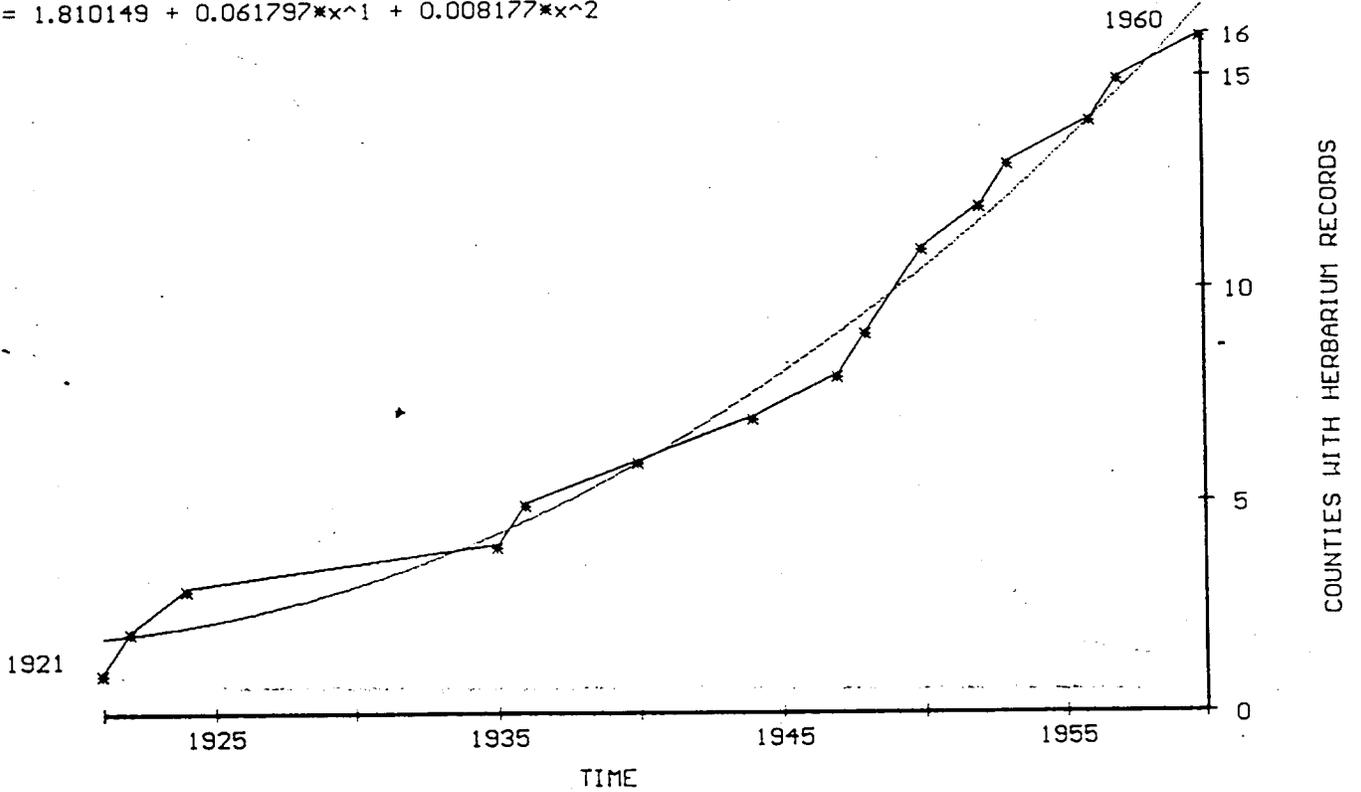


Counties reporting the exotic *Valerianella locusta* (common cornsalad), 1875-1994.

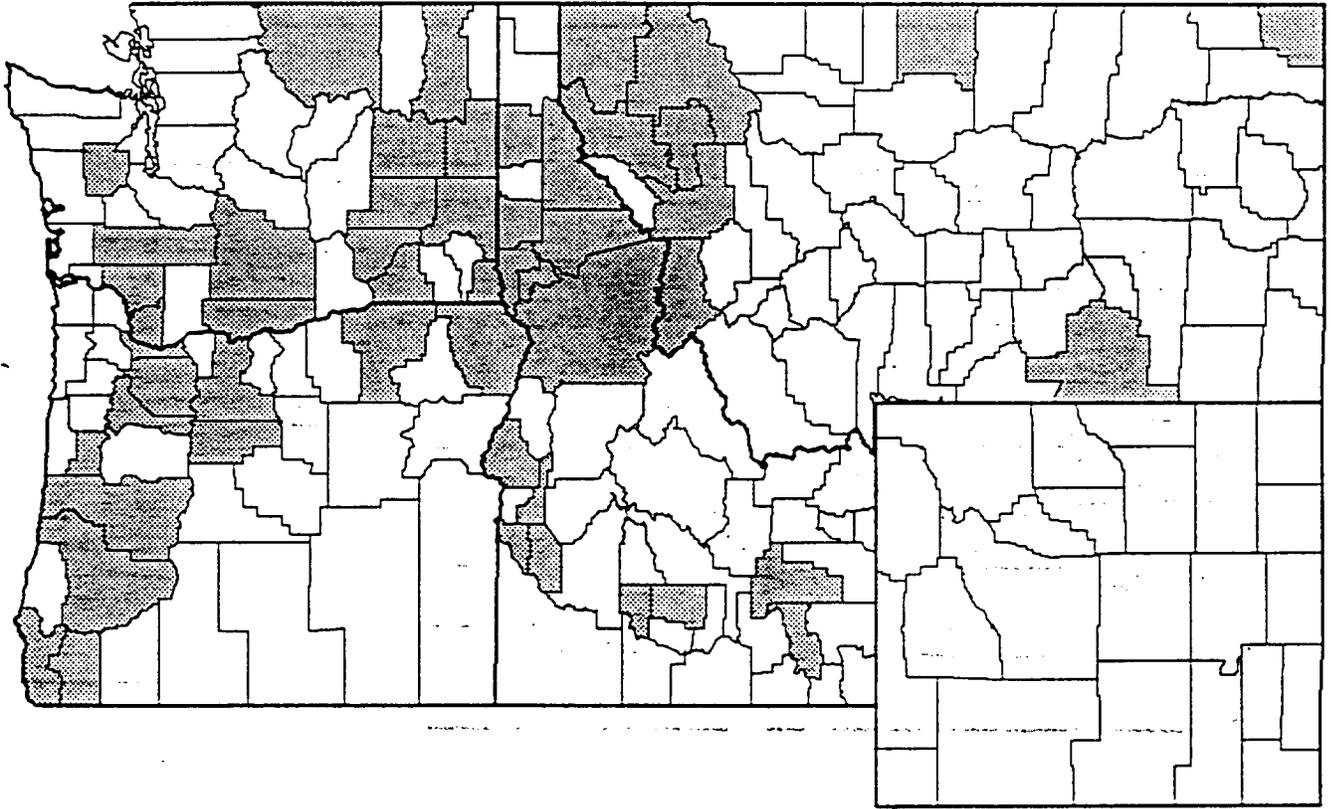


*Valerianella locusta* INCREASE IN NORTHWEST STATES

$$y = 1.810149 + 0.061797 * x^1 + 0.008177 * x^2$$

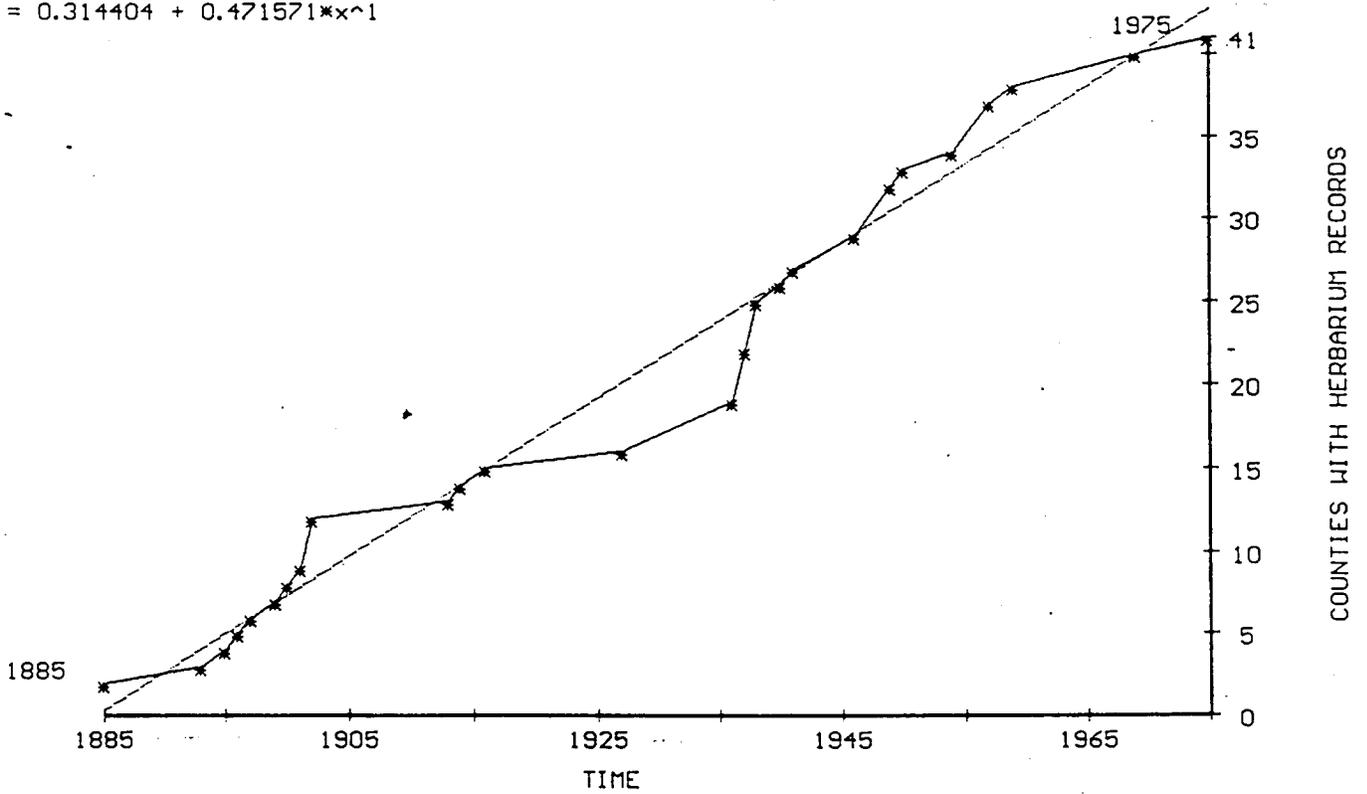


Counties reporting the exotic *Verbascum blattaria* (moth mullein), 1875-1993.

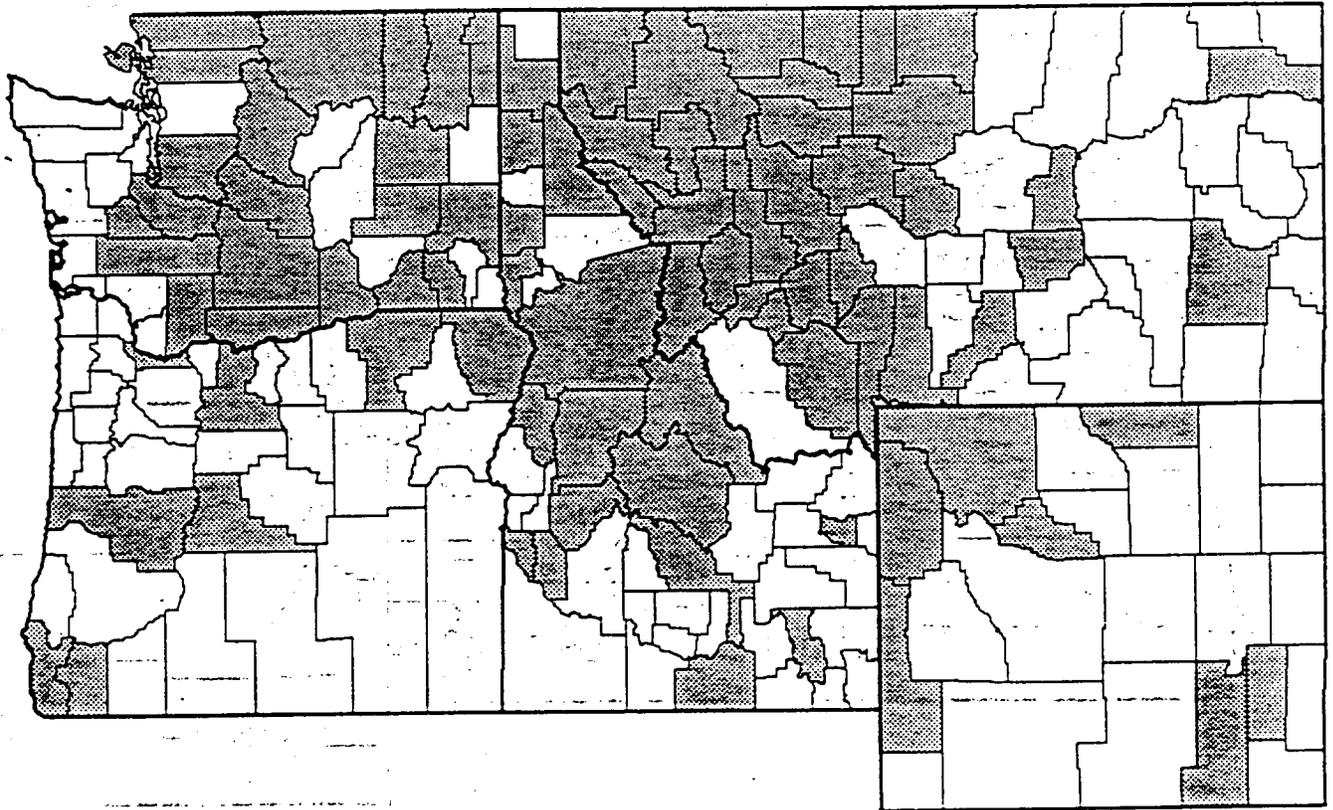


*Verbascum blattaria* INCREASE IN NORTHWEST STATES

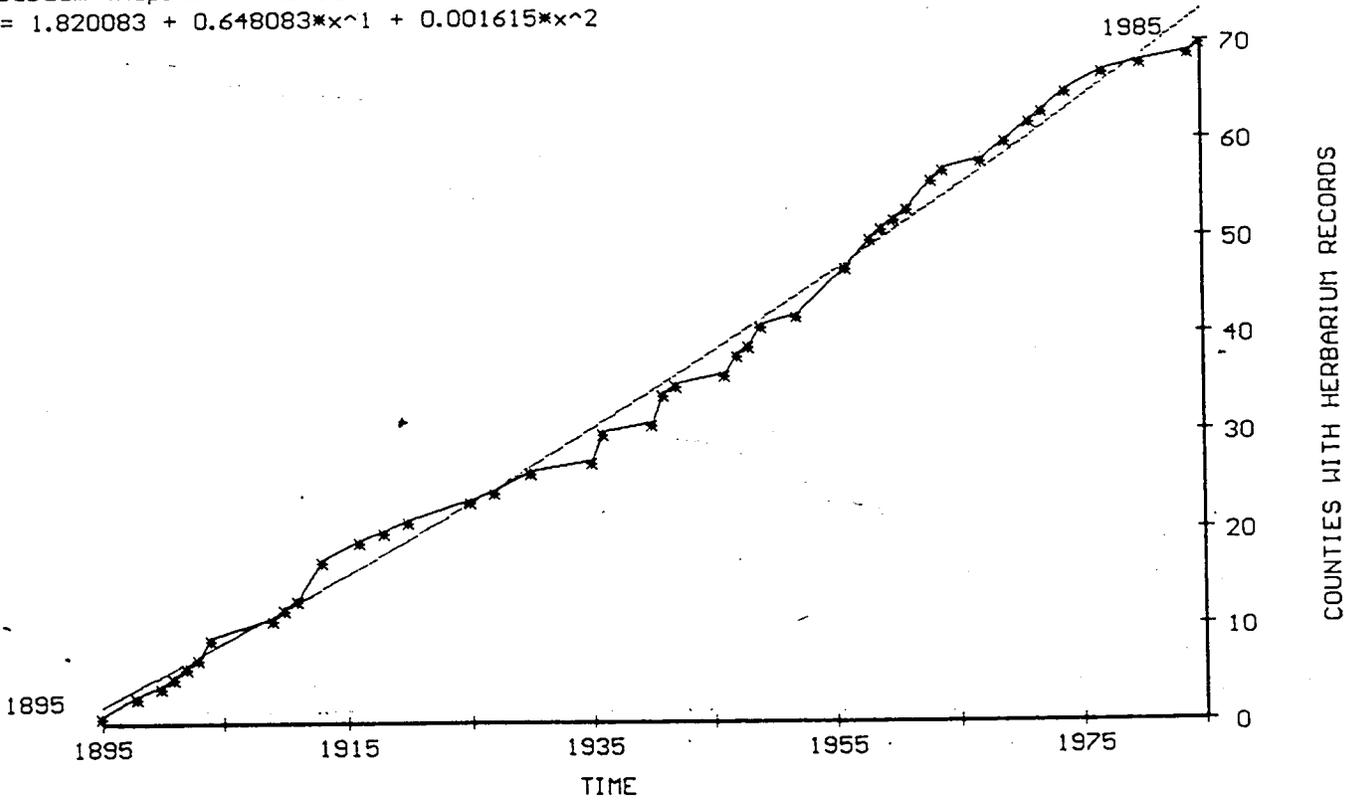
$$y = 0.314404 + 0.471571 * x^{1.1}$$



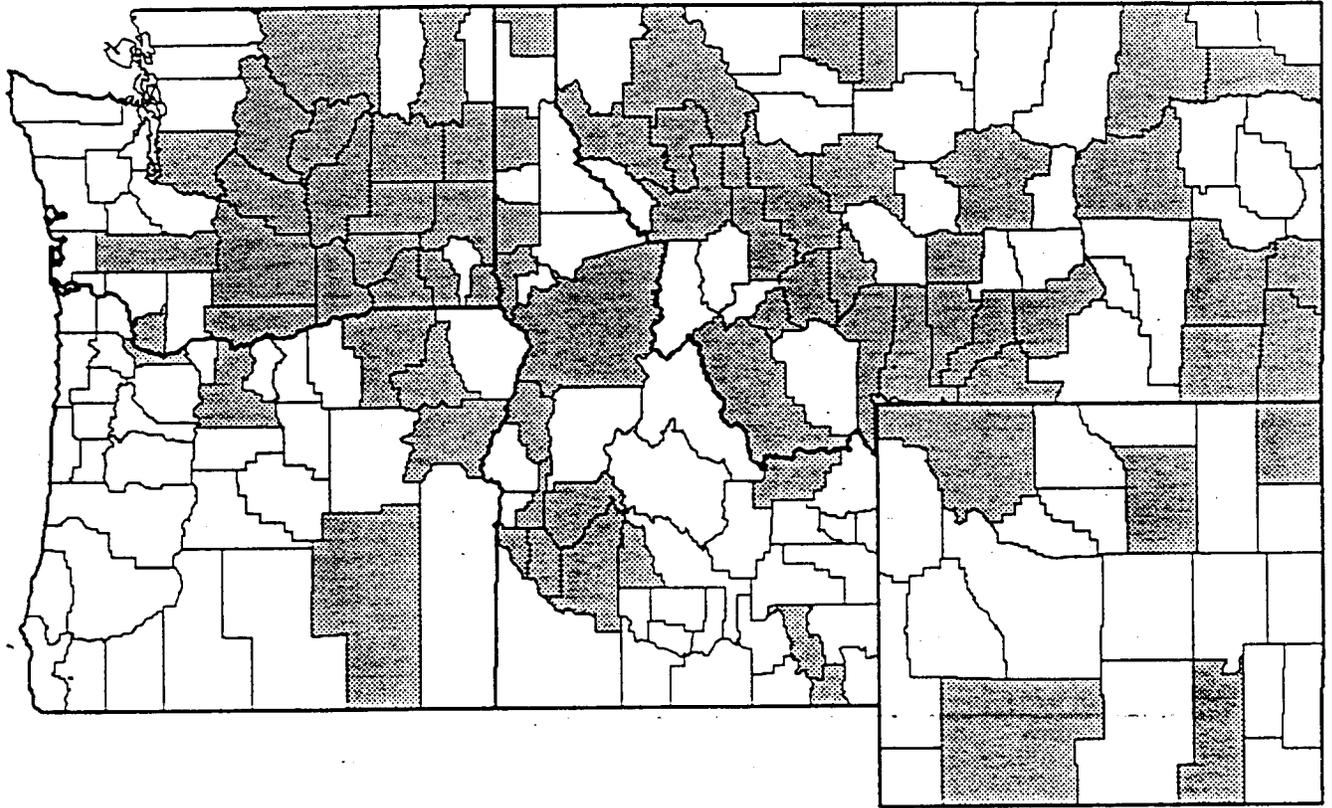
Counties reporting the exotic *Verbascum thapsus* (common mullein), 1875-1993.



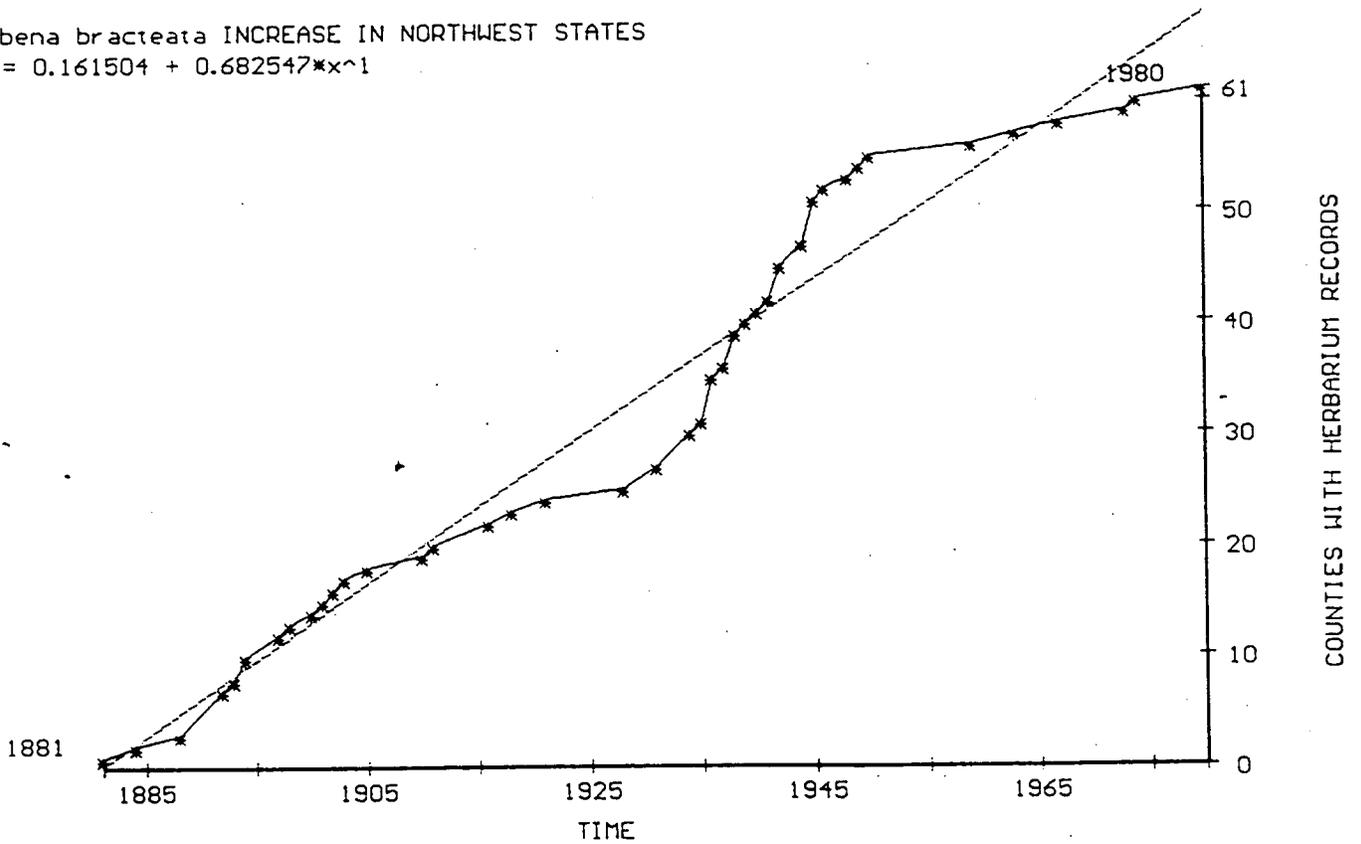
*Verbascum thapsus* INCREASE IN NORTHWEST STATES  
 $y = 1.820083 + 0.648083 * x^1 + 0.001615 * x^2$



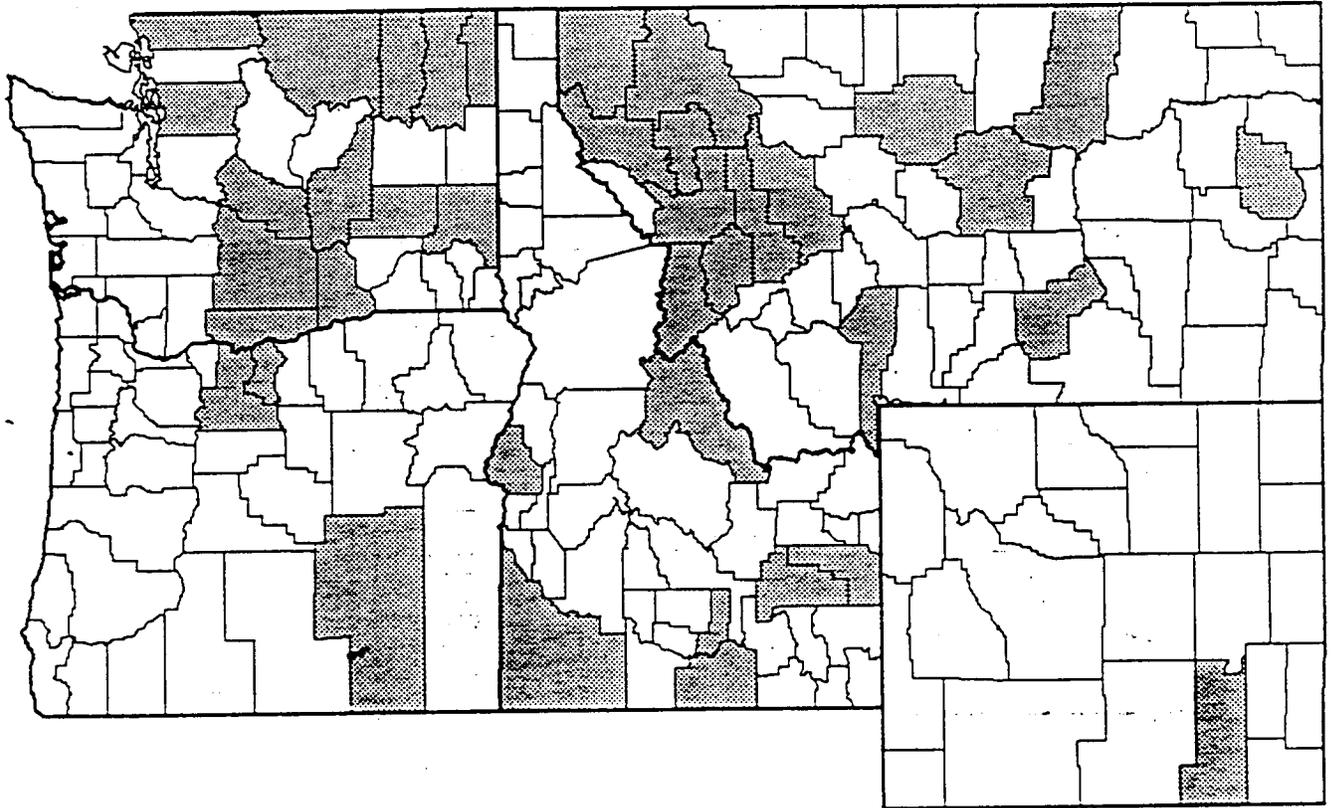
Counties reporting the exotic *Verbena bracteata* (prostrate vervain), 1875-1993.



*Verbena bracteata* INCREASE IN NORTHWEST STATES  
 $y = 0.161504 + 0.682547 * x^{0.1}$

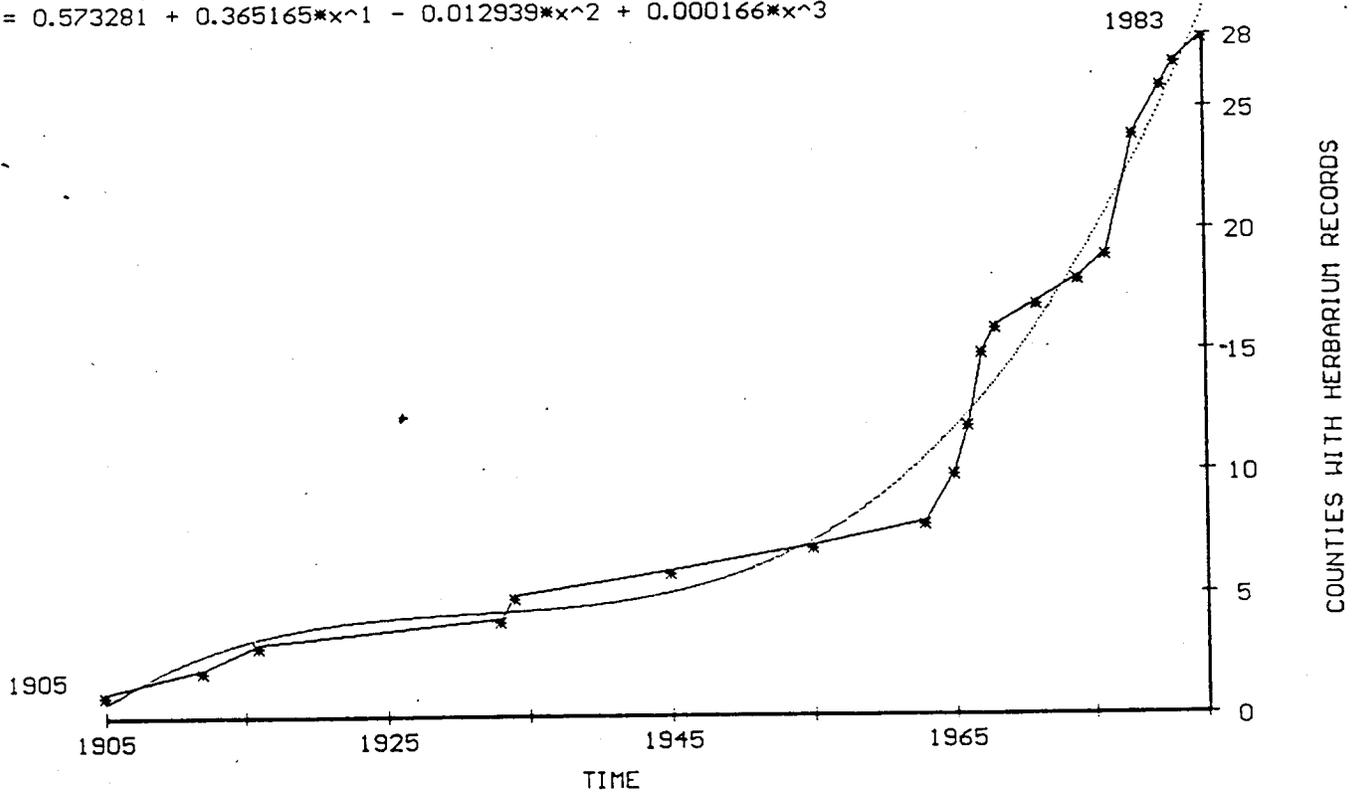


Counties reporting the exotic *Veronica anagallis-aquatica* (water speedwell), 1875-1993.

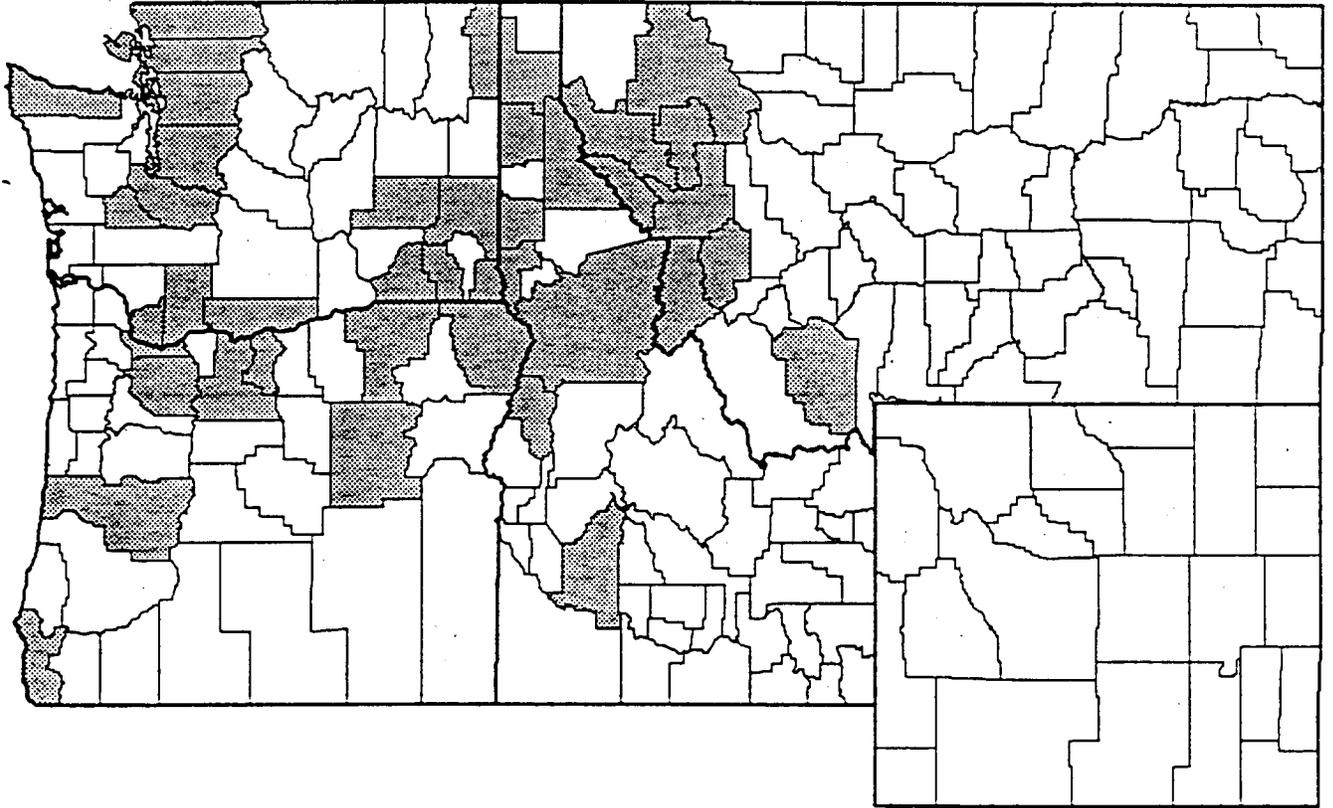


*Veronica anagallis-aquatica* INCREASE IN NORTHWEST STATES

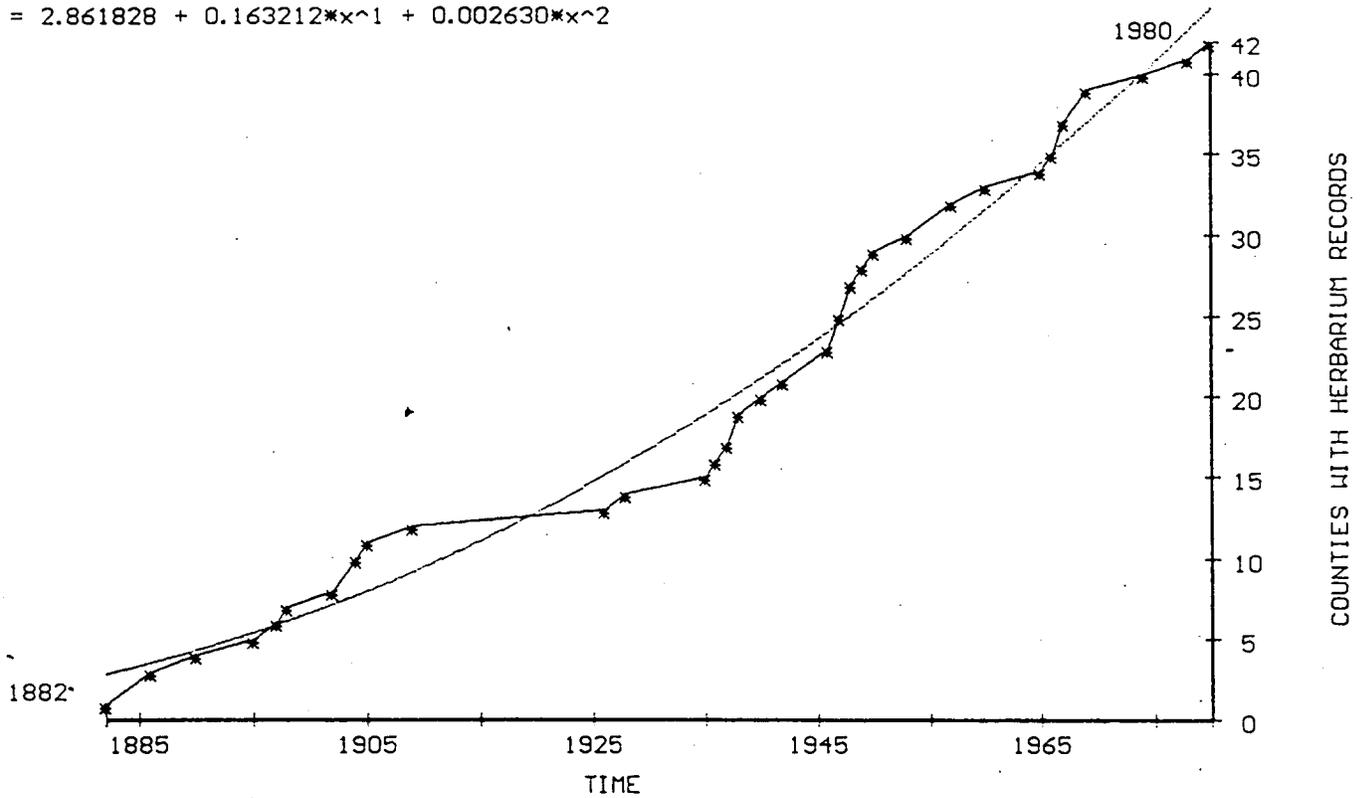
$$y = 0.573281 + 0.365165 * x^1 - 0.012939 * x^2 + 0.000166 * x^3$$



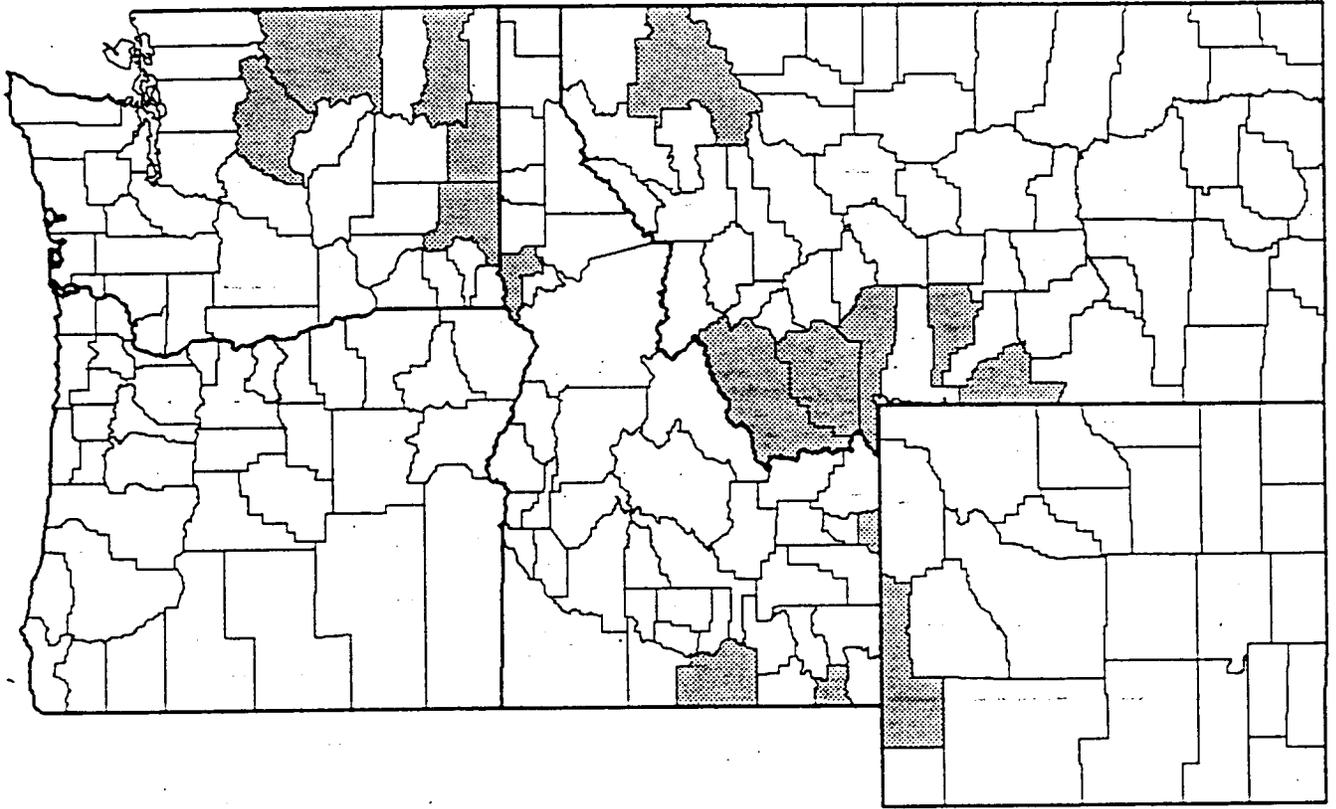
Counties reporting the exotic *Veronica arvensis* (corn speedwell), 1875-1990.



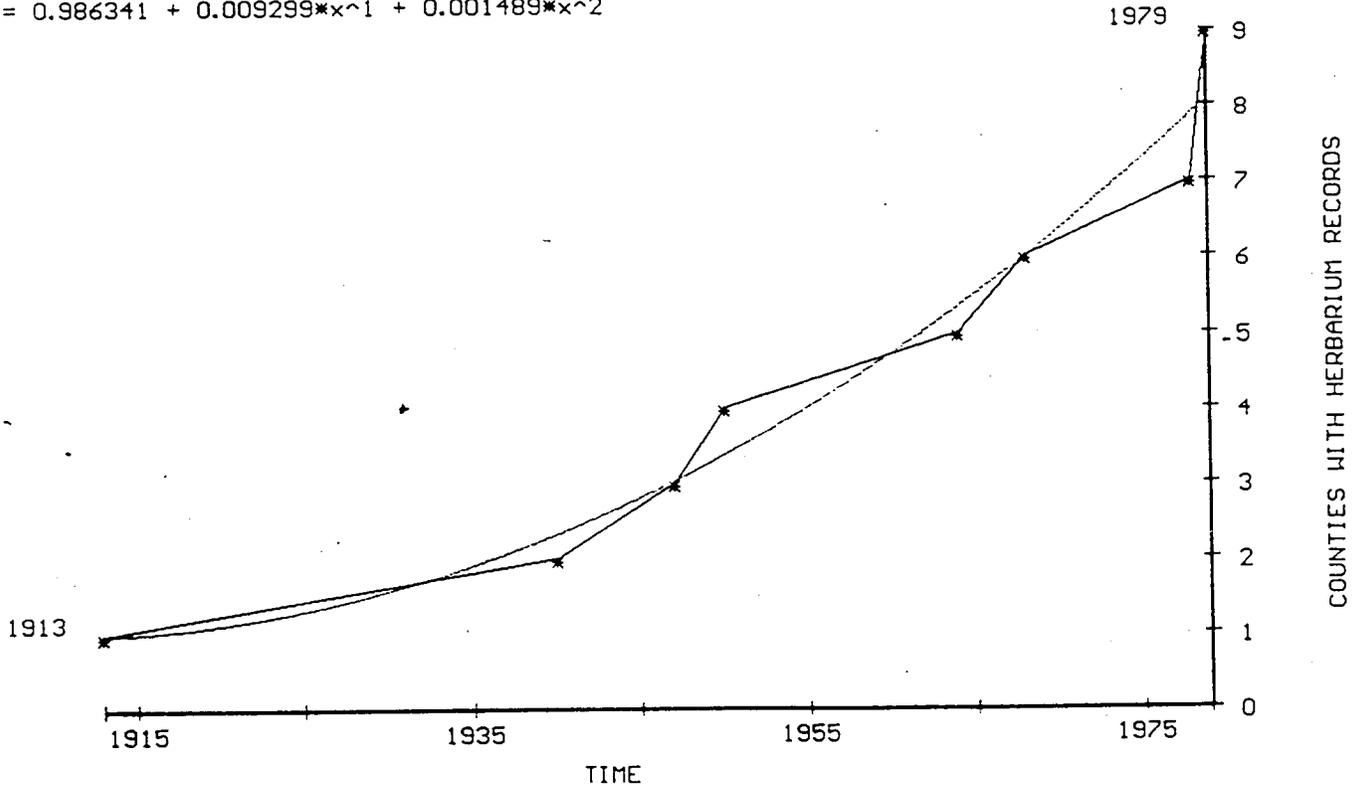
*Veronica arvensis* INCREASE IN NORTHWEST STATES  
 $y = 2.861828 + 0.163212 * x^1 + 0.002630 * x^2$



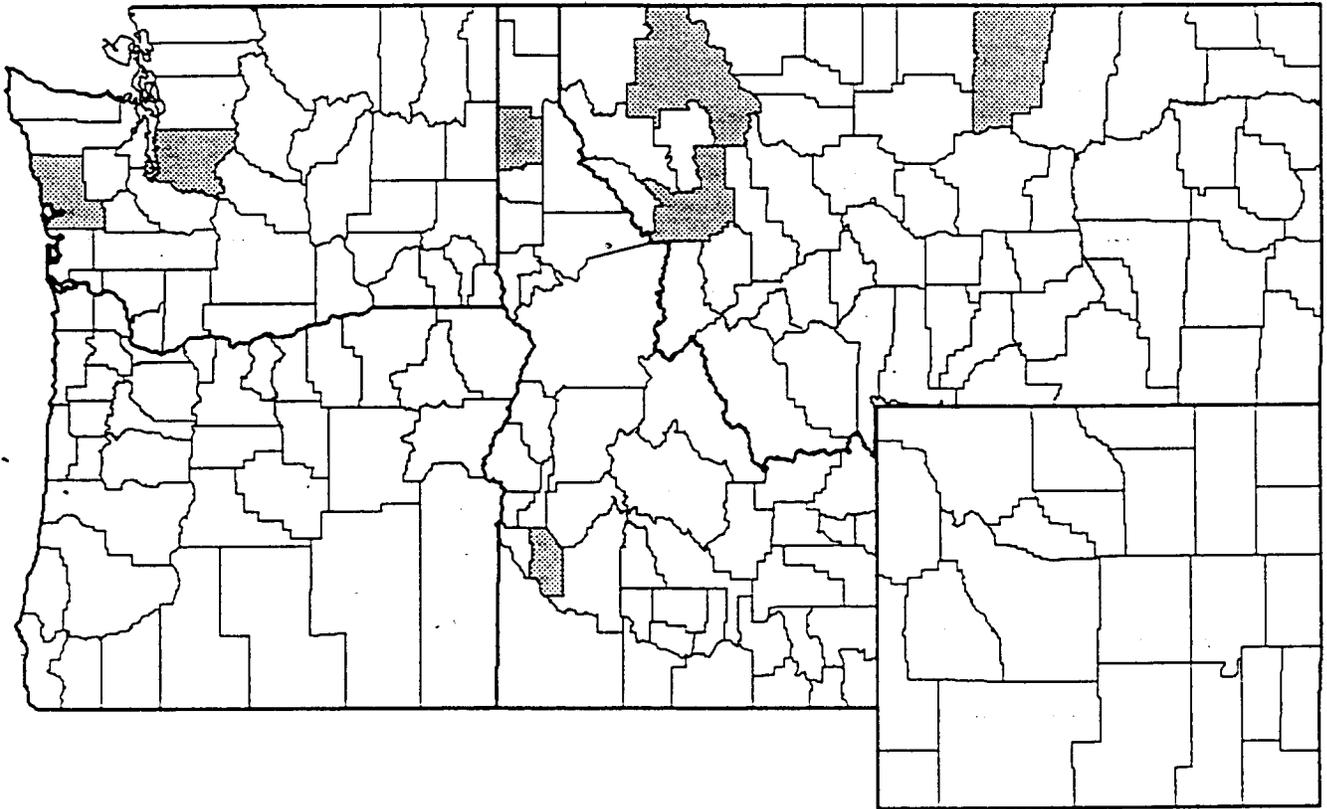
Counties reporting the exotic *Veronica biloba* (bilobed speedwell), 1875-1992.



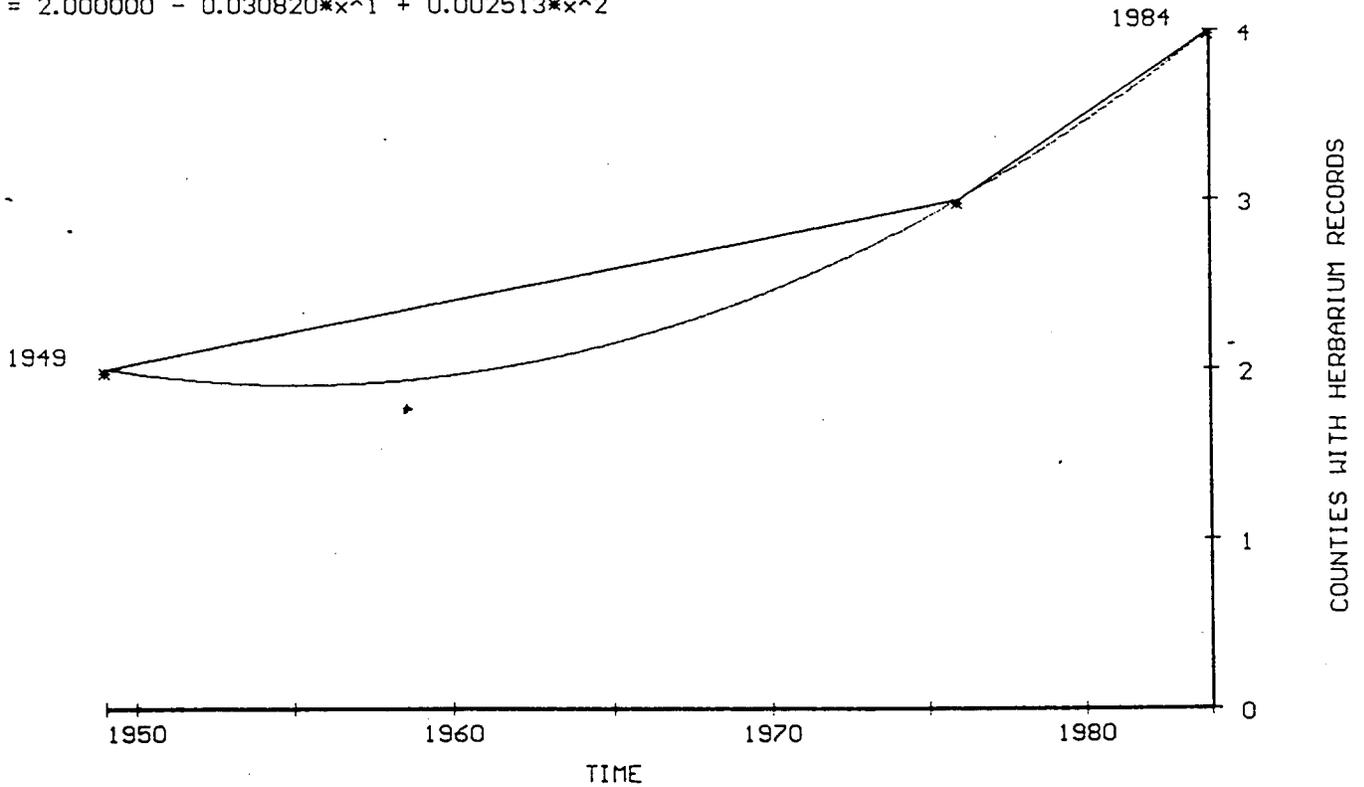
*Veronica biloba* INCREASE IN NORTHWEST STATES  
 $y = 0.986341 + 0.009299 * x^1 + 0.001489 * x^2$



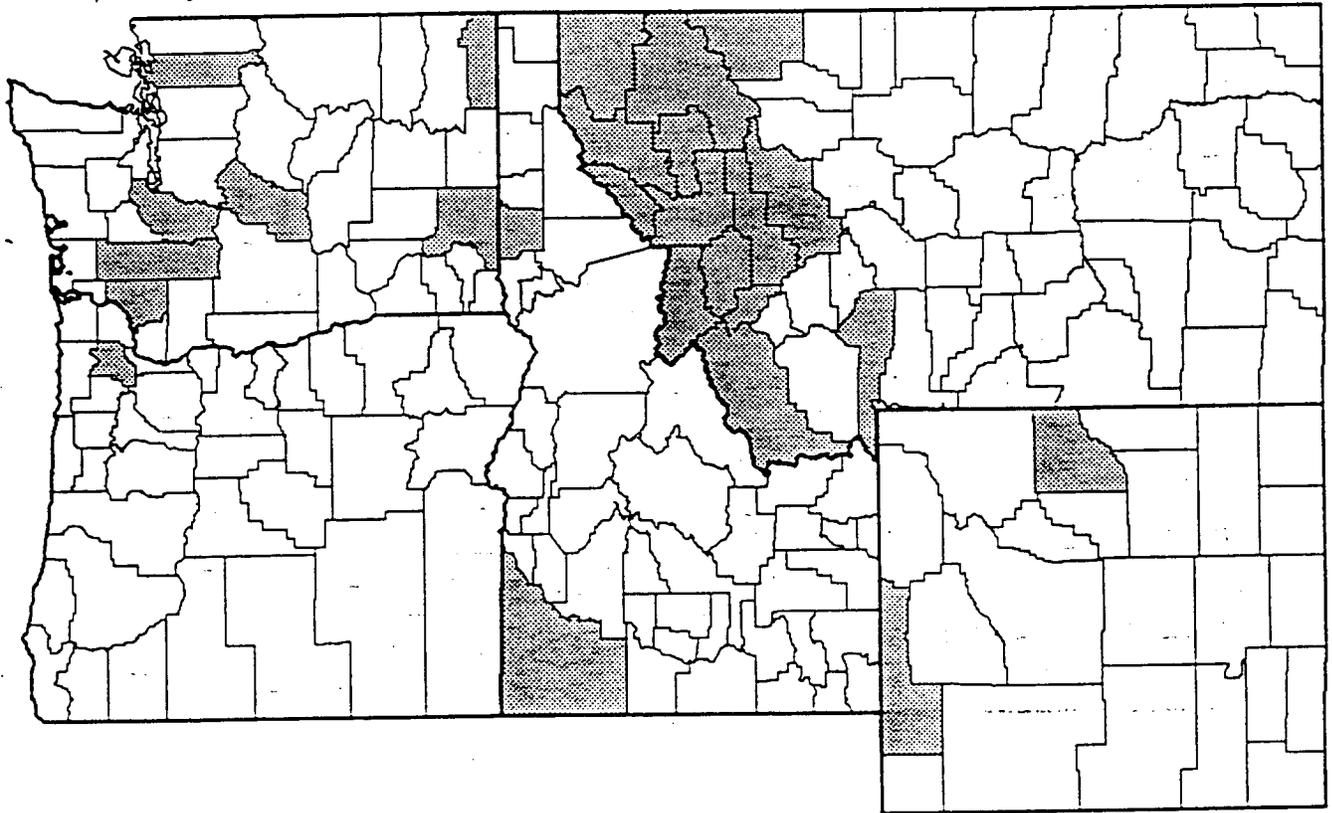
Counties reporting the exotic *Veronica chamaedrys* (germander speedwell), 1875-1994.



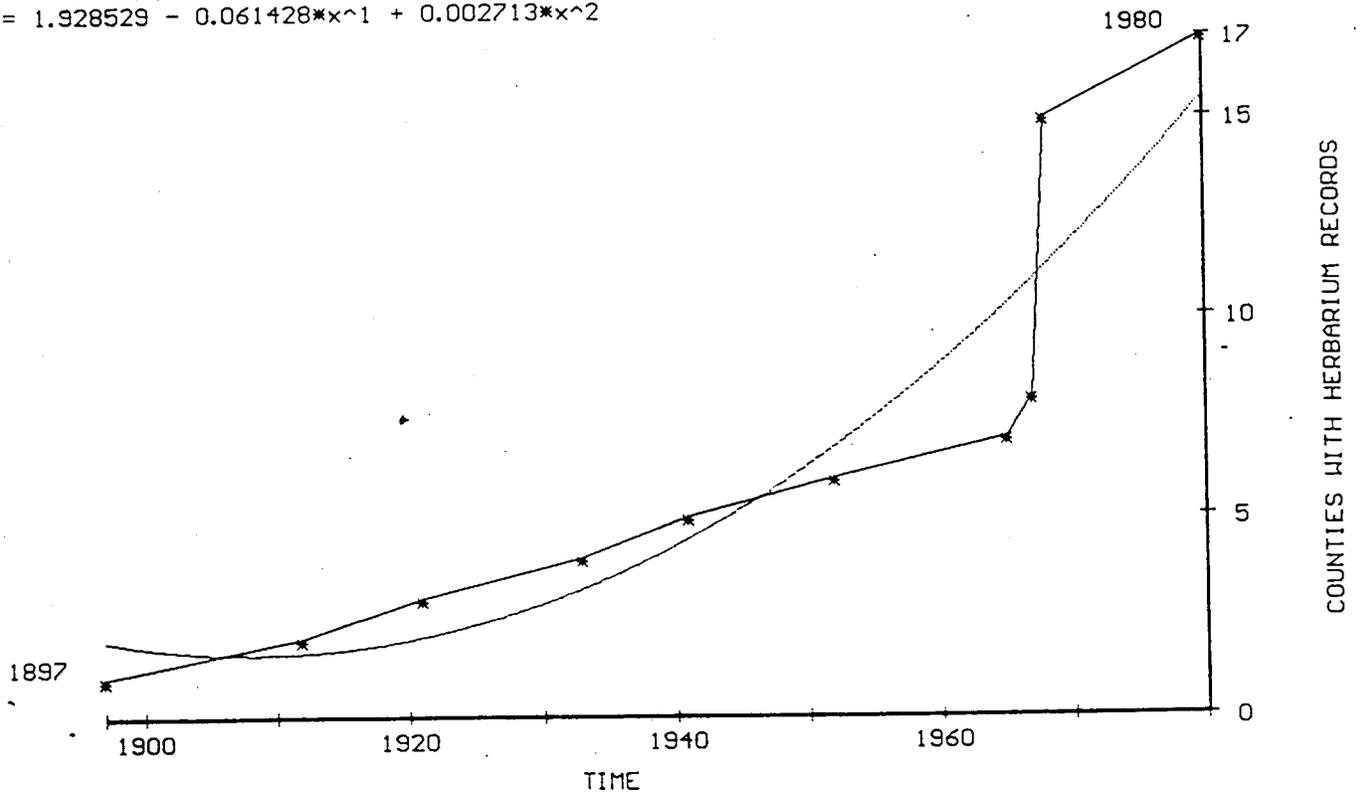
*Veronica chamaedrys* INCREASE IN NORTHWEST STATES  
 $y = 2.000000 - 0.030820 * x^1 + 0.002513 * x^2$



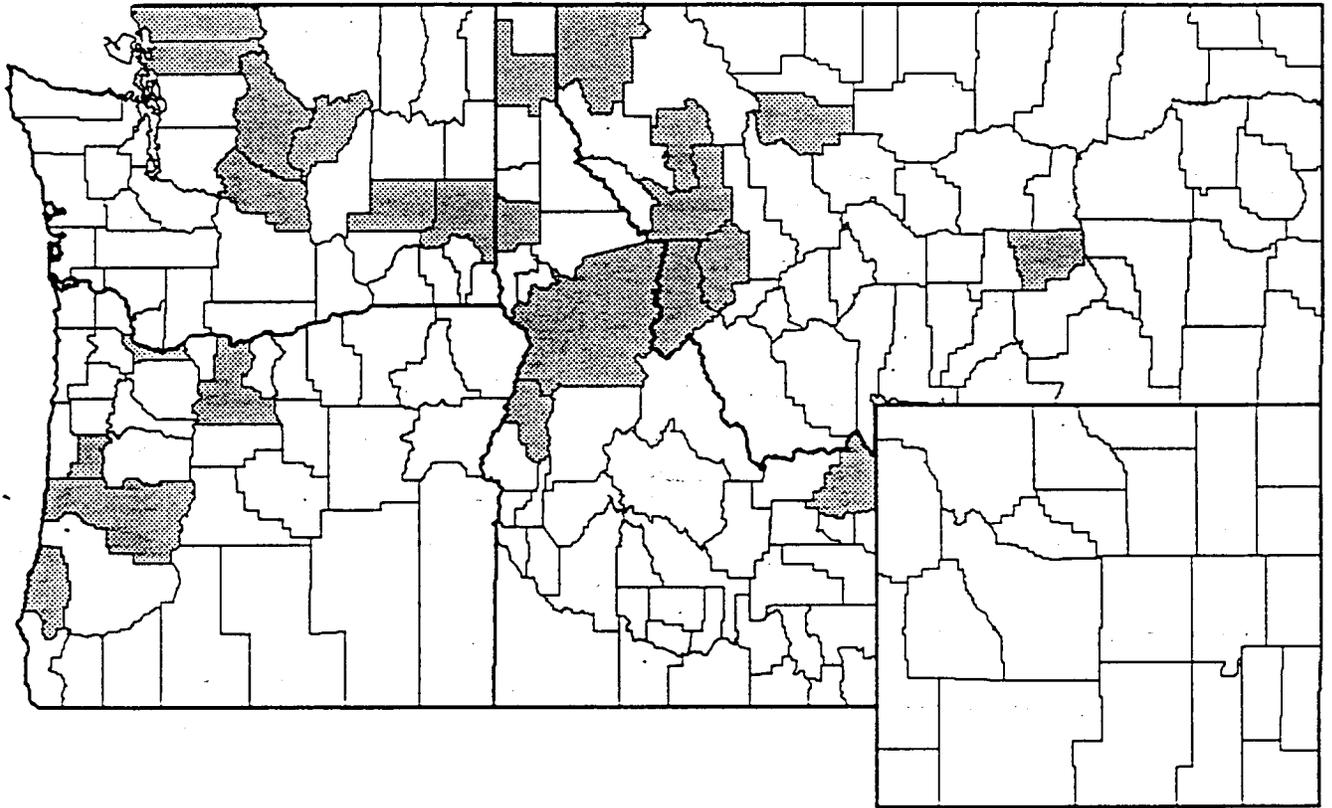
Counties reporting the exotic *Veronica serpyllifolia* (thyme leaved speedwell), 1875-1992.



*Veronica serpyllifolia* INCREASE IN NORTHWEST STATES  
 $y = 1.928529 - 0.061428 * x^1 + 0.002713 * x^2$

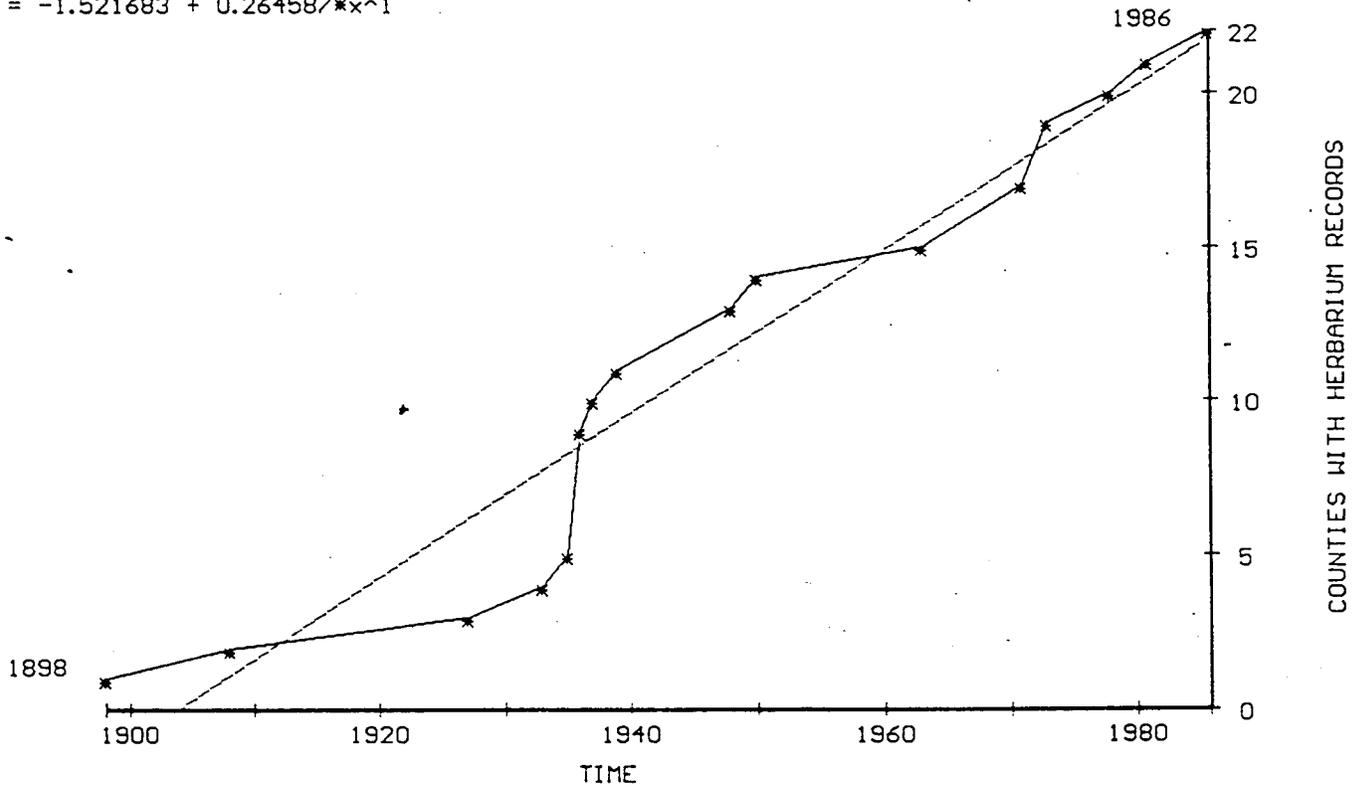


Counties reporting the exotic *Vicia cracca* (bird vetch), 1875-1993.

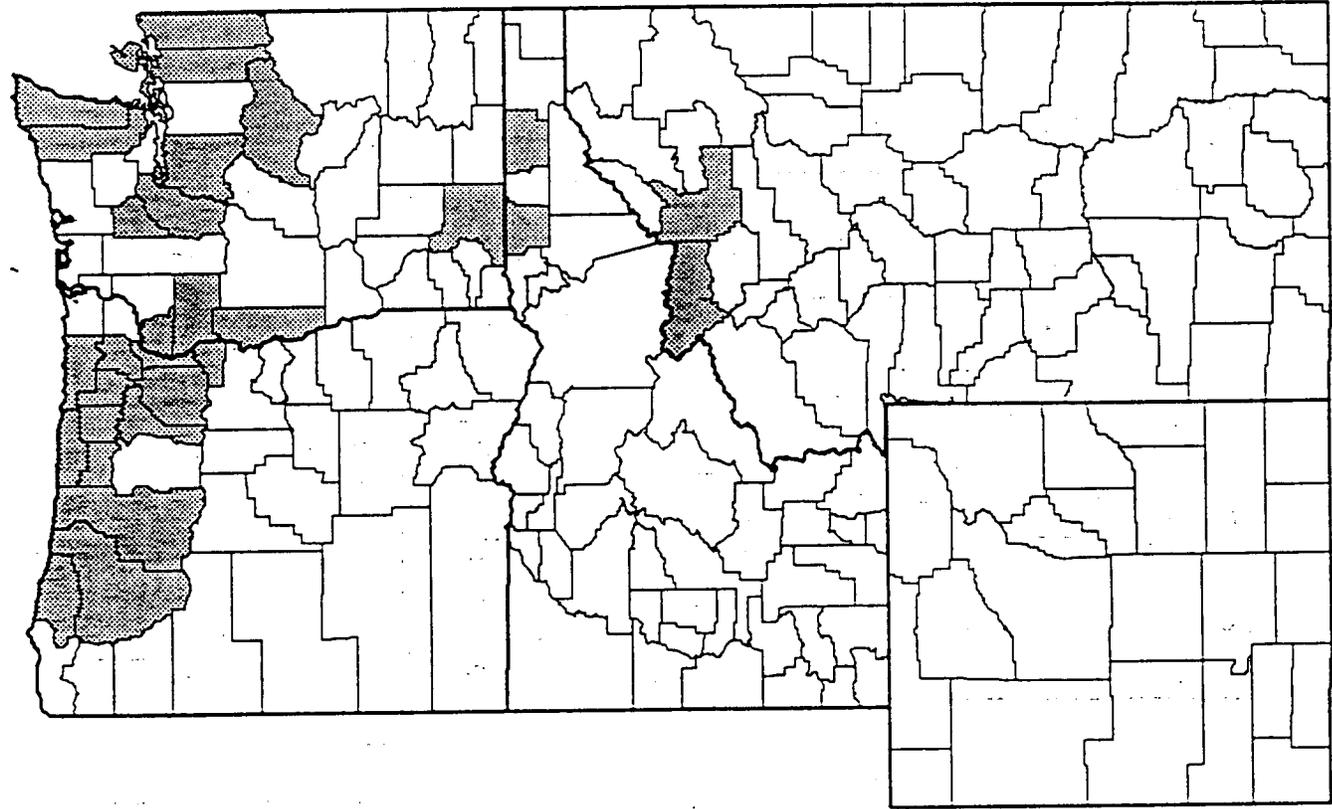


*Vicia cracca* INCREASE IN NORTHWEST STATES

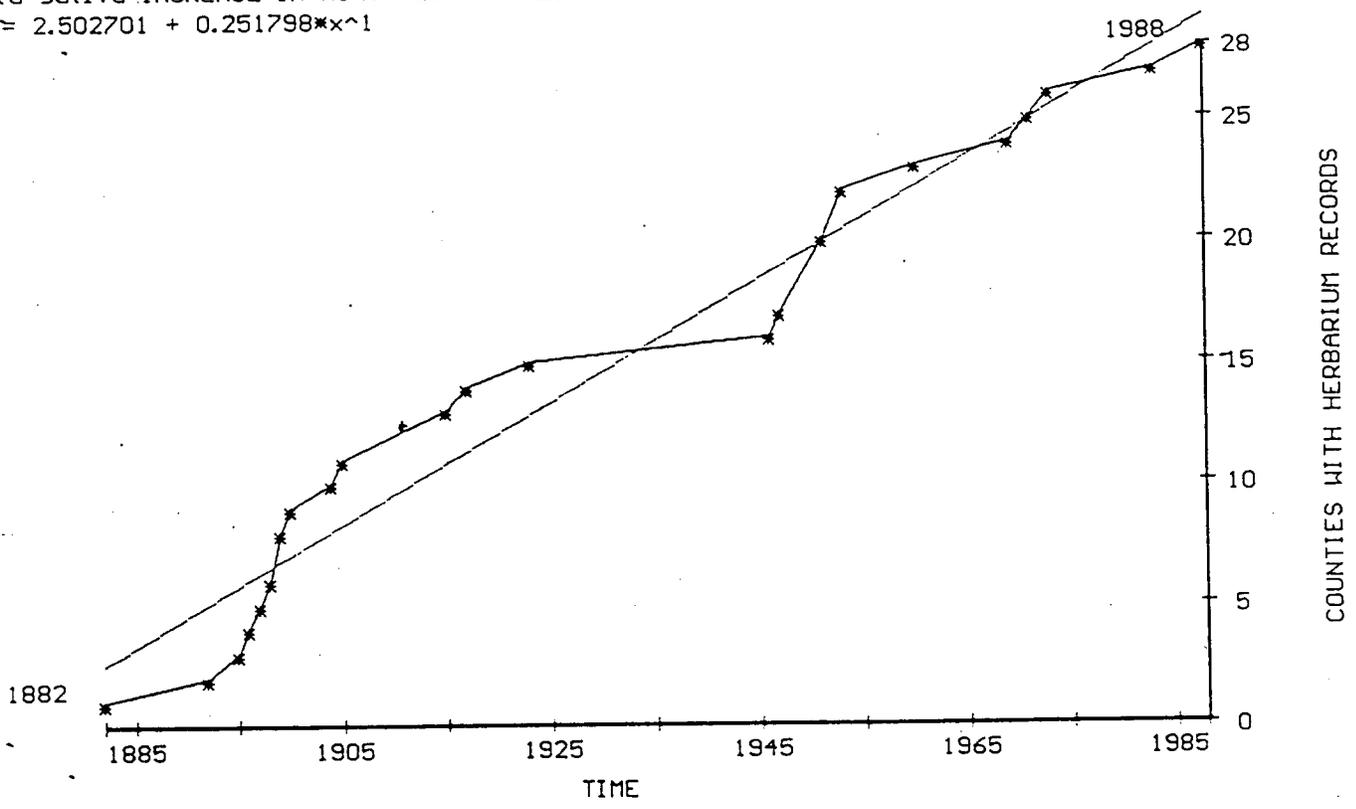
$$y = -1.521683 + 0.264587 * x^1$$



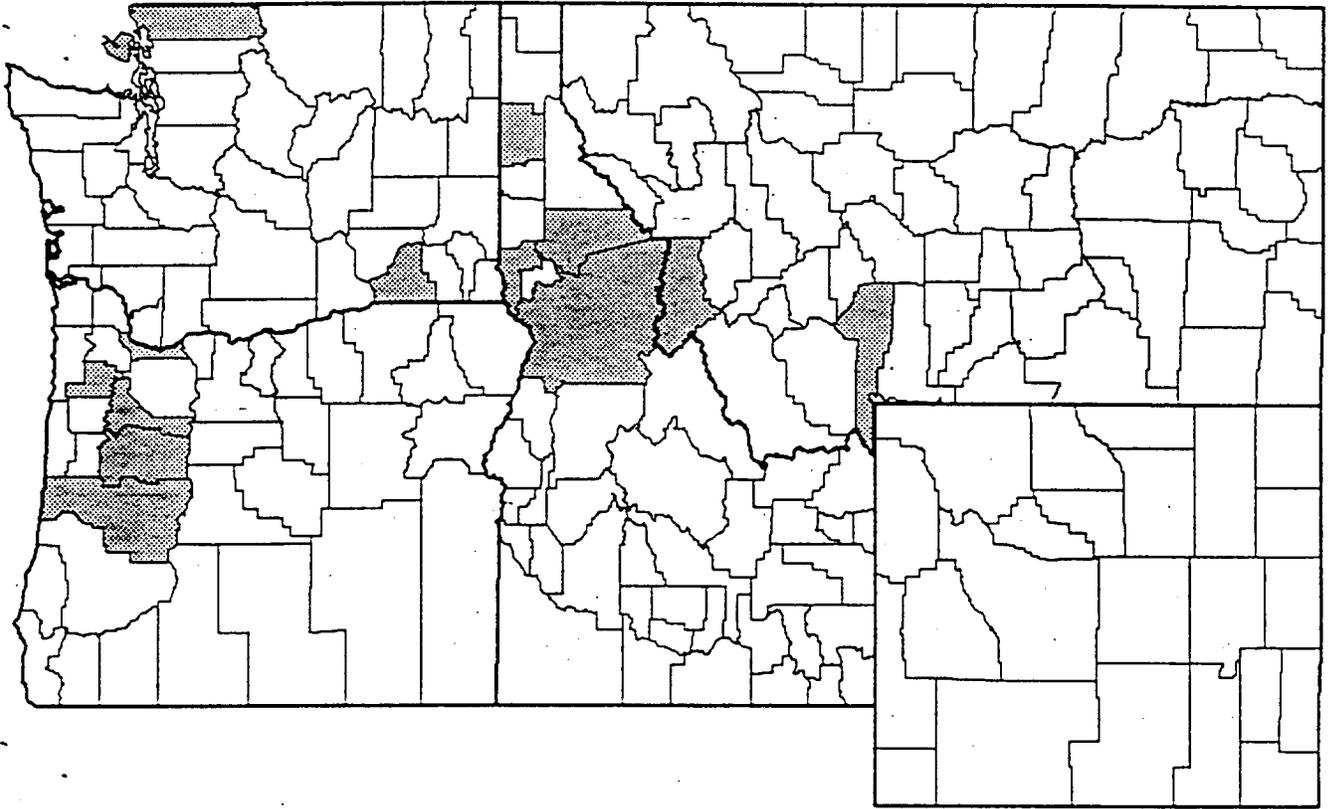
Counties reporting the exotic *Uicia sativa* (common vetch), 1875-1992.



*Uicia sativa* INCREASE IN NORTHWEST STATES  
 $y = 2.502701 + 0.251798 * x^1$

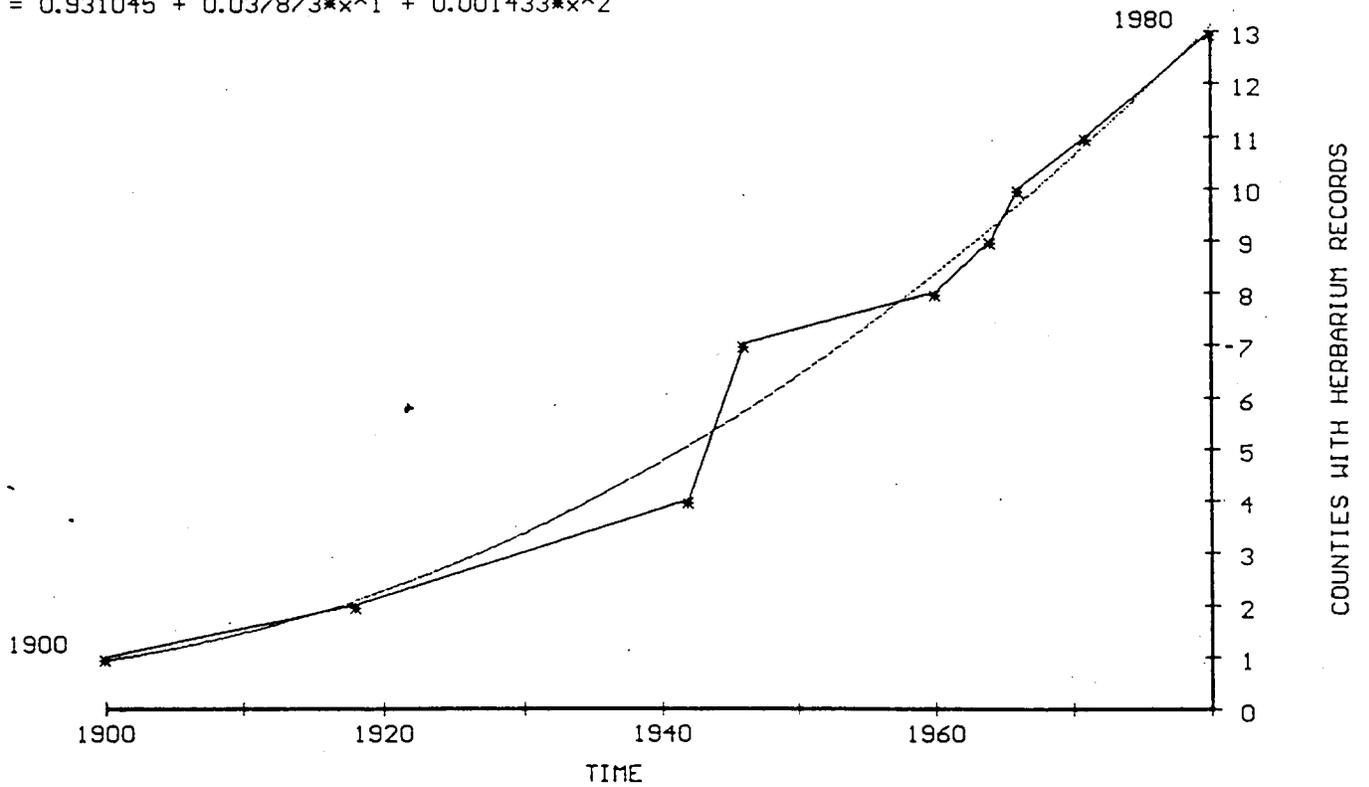


Counties reporting the exotic *Uicia tetrasperma* (sparrow vetch), 1875-1991.

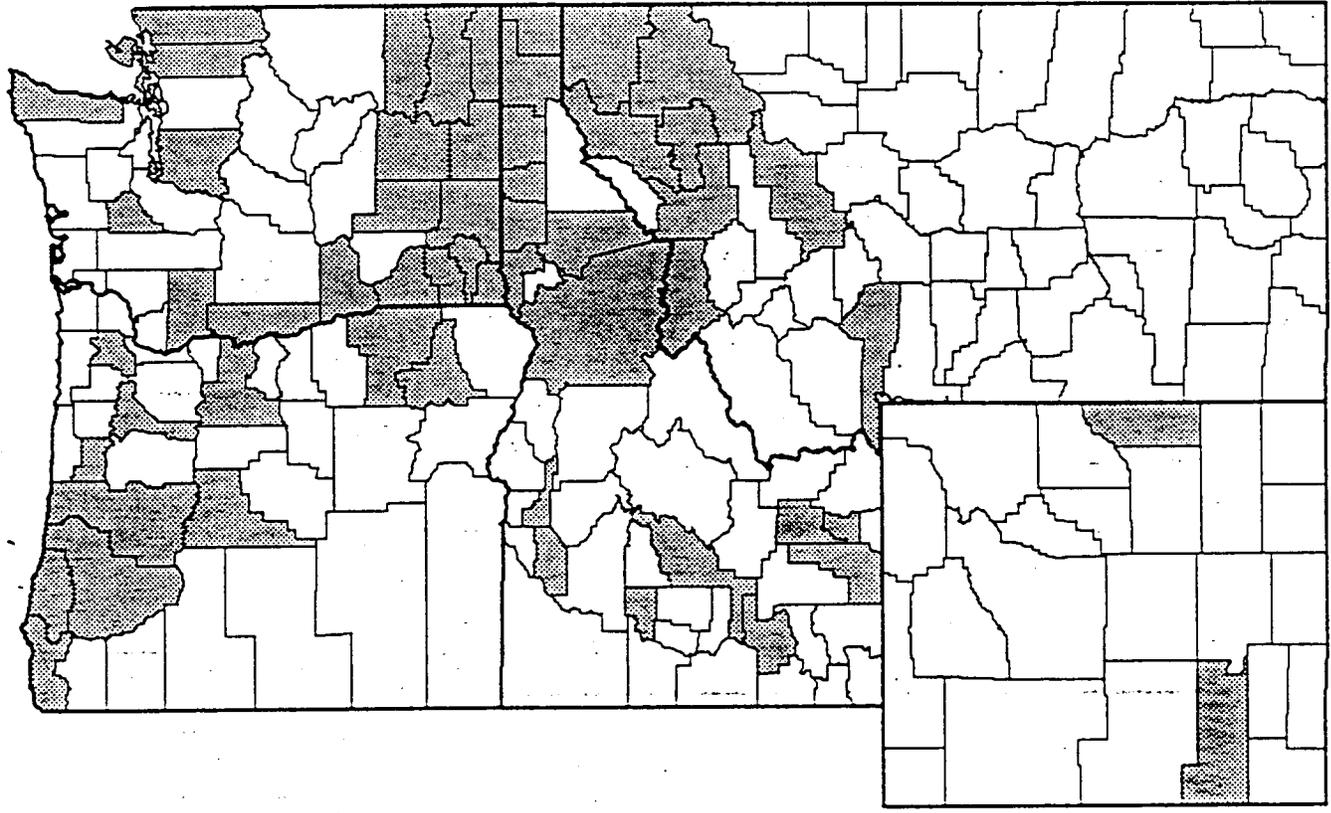


*Uicia tetrasperma* INCREASE IN NORTHWEST STATES

$$y = 0.931045 + 0.037873 * x^1 + 0.001433 * x^2$$

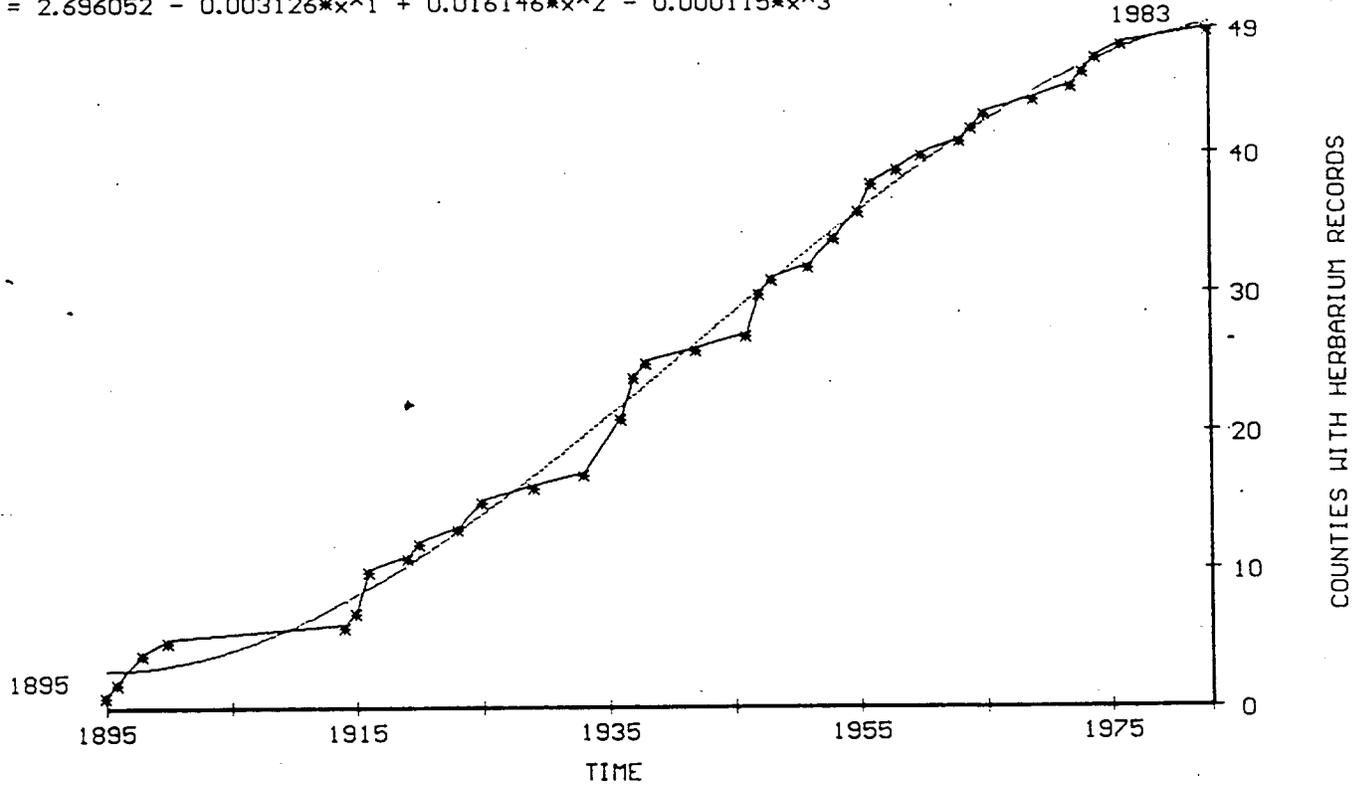


Counties reporting the exotic *Uicia villosa* (hairy vetch), 1875-1994.

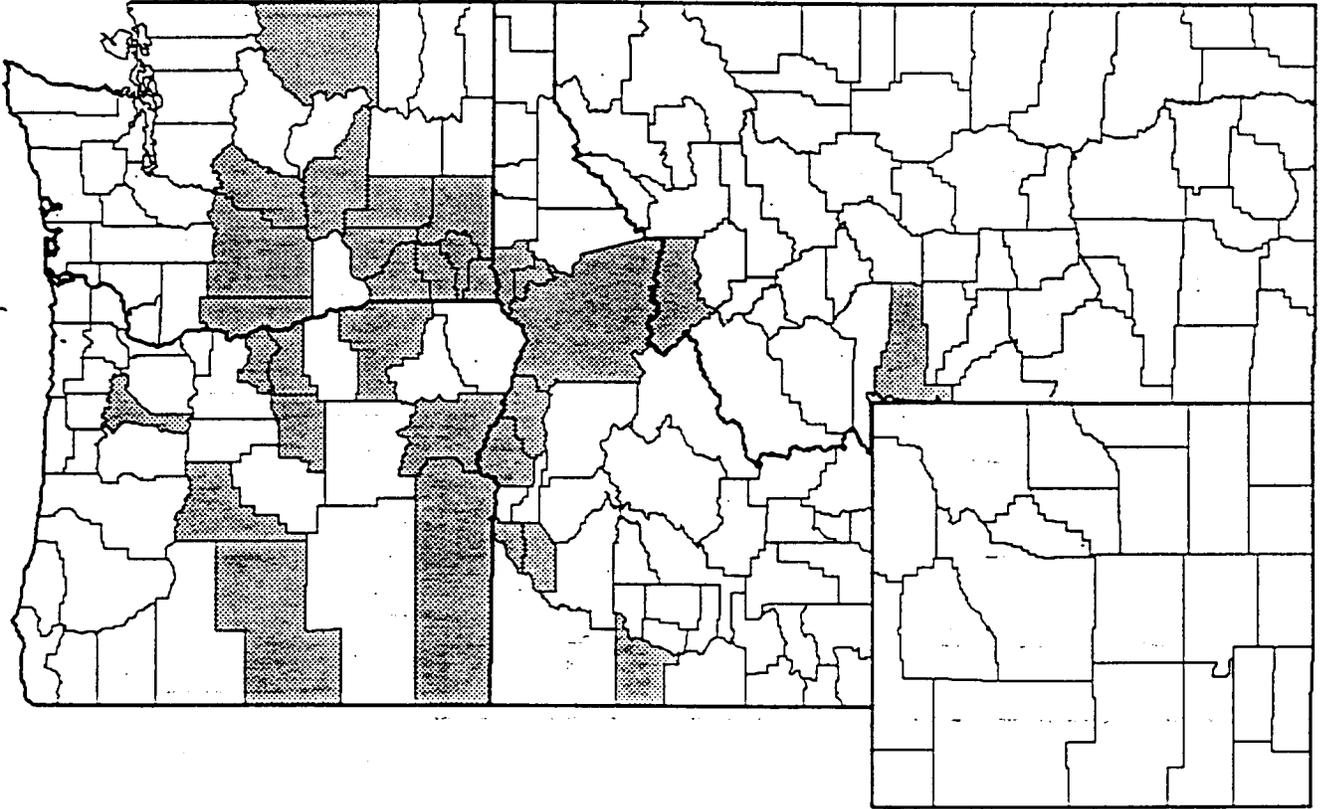


*Uicia villosa* INCREASE IN NORTHWEST STATES

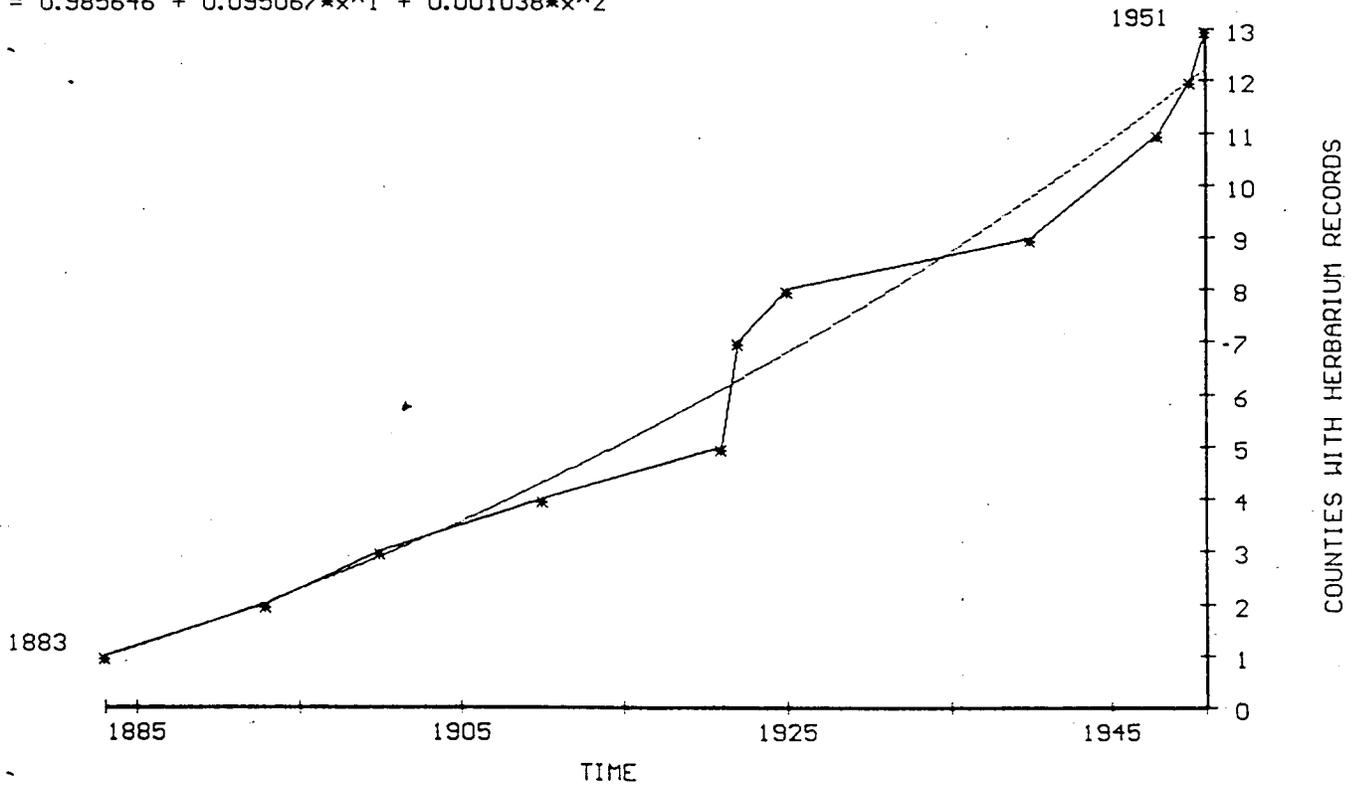
$$y = 2.696052 - 0.003126 * x^1 + 0.016146 * x^2 - 0.000115 * x^3$$



Counties reporting the exotic *Xanthium spinosum* (spiny cocklebur), 1875-1993.



*Xanthium spinosum* INCREASE IN NORTHWEST STATES  
 $y = 0.985646 + 0.095067 * x^1 + 0.001038 * x^2$



PART IIIB

## EXOTICS WITH LIMITED DISTRIBUTION

The following 567 exotics have been found in the five state area but are present in fewer than 25 out of 199 counties, and are not spreading at an exponential rate, nor are they expanding at a linear rate equal to more than 24 counties per century. Most of these exotics will remain plants of limited distribution. However, if we are able to obtain all the available distribution data (Table 1, PART IIIA) some of these species (example: Bryonia alba) will move into the "important" category because of the number of county records and because having more data points would allow more precise curve fitting and identification of early exponential patterns. It could be possible to contain, if not eradicate, some of these species.

EXOTICS OF LIMITED DISTRIBUTION AND SLOW EXPANSION

Species                      Number of Counties

<i>Abies pinsapo</i>	1
<i>Acer circinatum</i>	1
<i>Acer ginnala</i>	1
<i>Acer macrophyllum</i>	2
<i>Acer palmatum</i>	1
<i>Acer platanoides</i>	7
<i>Acer pseudo-platanus</i>	2
<i>Acer rubrum</i>	1
<i>Acer saccharinum</i>	7
<i>Achillea nobilis</i>	2
<i>Achillea ptarmica</i>	4
<i>Aconitum carmichaelii</i>	1
<i>Aconitum x bicolor</i>	1
<i>Adonis aestivalis</i>	2
<i>Adonis annua</i>	2
<i>Aegilops cylindrica</i>	18
<i>Aegilops sp.</i>	1
<i>Aegopodium podagraria</i>	9
<i>Agropyron elongatum</i>	12
<i>Agropyron triticeum</i>	5
<i>Ailanthus altissima</i>	16
<i>Aira caryophyllea</i>	21
<i>Aira sp.</i>	1
<i>Ajuga reptans</i>	4
<i>Alchemilla vulgaris</i>	1
<i>Allium giganteum</i>	1
<i>Allium triquetrum</i>	1
<i>Allium vineale</i>	2
<i>Alopecurus arundinaceus</i>	2
<i>Alopecurus mysosuroides</i>	5
<i>Althaea rosea</i>	7
<i>Alyssum sp.</i>	4
<i>Amaranthus caudatus</i>	5
<i>Amaranthus hybridus</i>	10
<i>Anchusa arvensis</i>	8
<i>Anchusa azurea</i>	11
<i>Anchusa officinalis</i>	15
<i>Anethum graveolens</i>	4
<i>Anthemis arvensis</i>	20
<i>Anthemis tinctoria</i>	18
<i>Anthriscus caucalis</i>	19
<i>Anthriscus cerefolium</i>	2
<i>Anthriscus sylvestris</i>	2
<i>Antirrhinum orontium</i>	4
<i>Aralia elata</i>	1
<i>Arctium lappa</i>	18
<i>Armoracia rusticana</i>	5
<i>Artemisia annua</i>	11
<i>Arum italicum</i>	3
<i>Asparagus officinalis</i>	21
<i>Astilbe simplicifolia</i>	1
<i>Astragalus cicer</i>	9
<i>Astragalus falcatus</i>	2
<i>Atropa belladonna</i>	4
<i>Aucuba japonica</i>	1
<i>Avena sativa</i>	12
<i>Axyris amaranthoides</i>	1
<i>Barbarea verna</i>	2
<i>Barbarea vulgaris</i>	14
<i>Bassia hyssopifolia</i>	9
<i>Bellis perennis</i>	13
<i>Berberis thumbergii</i>	1
<i>Berberis vulgaris</i>	14
<i>Beta vulgaris</i>	2
<i>Betula lenta</i>	1
<i>Betula pendula</i>	5
<i>Bidens pilosa</i>	1

## EXOTICS OF LIMITED DISTRIBUTION AND SLOW EXPANSION

<u>Species</u>	<u>Number of Counties</u>
Borago officinalis	16
Brassica alba	1
Brassica hirta	5
Brassica juncea	20
Brassica napus	1
Brassica oleracea	9
Bromus arvensis	2
Bromus rubens	8
Bromus sterilis	4
Bryonia alba	20
Bryonia dioica	1
Buddleia davidii	4
Butomus umbellatus	2
Cakile edentula	3
Cakile maritima	1
Campanula elatines	1
Campanula glomerata	16
Campanula medium	2
Campanula persicifolia	1
Cannabis sativa	7
Caragana arborescens	8
Caragana pygmaea	1
Cardaria chalapensis	11
Carduus acanthoides	12
Carduus pycnocephalus	2
Carpinus betulus	1
Carthamus tinctorius	17
Catalpa speciosa	2
Celastrus orbiculata	1
Cenchrus longispinus	24
Centaurea calcitrapa	4
Centaurea dealbata	4
Centaurea iberica	1
Centaurea jacea	18
Centaurea juncea x nigra	14
Centaurea macrocephala	3
Centaurea montana	2
Centaurea nigra	9
Centaurea nigrescens	8
Centaurea pratensis	23
Centaurea sp.	5
Centaurea trichocephala	1
Centaurea virgata	2
Centaurium umbellatum	19
Centranthus ruber	6
Cerastium dubium	3
Cerastium siculum	3
Cerastium tomentosum	3
Chaenomeles japonica	5
Chaenorrhinum minus	7
Chamaecyparis pisifera	2
Chelidonium majus	2
Chenopodium ambrosioides	5
Chenopodium foliosum	5
Chenopodium gigantospermum	9
Chenopodium glaucum	19
Chenopodium murale	10
Chondrilla juncea	18
Chrysanthemum balsamita	14
Chrysanthemum maximum	3
Chrysanthemum parthenium	16
Cicer arietinum	1
Cichorium endiva	2
Cistus salvifolius	1
Cistus x hybridus	1
Clematis vitalba	6
Clerodendrum thompsoniae	1
Clerodendrum trichotomum	7

EXOTICS OF LIMITED DISTRIBUTION AND SLOW EXPANSION

Species                      Number of Counties

Cnicus benedictus	9
Convallaria majalis	2
Coriandrum sativum	6
Corispermum hyssopifolium	20
Corispermum nitidum	2
Corispermum orientale	4
Cornus mas	1
Coronilla varia	5
Corylus avellana	3
Corylus colurna	1
Cotinus coggygria	3
Cotoneaster acutifolius	14
Cotoneaster bullatus	2
Cotoneaster franchetti	1
Cotoneaster lucidus	2
Cotoneaster tenuipes	1
Cotoneaster tomentosus	1
Crataegus monogyna	3
Crataegus oxycantha	5
Crepis setosa	5
Crucianella angustifolia	1
✓ Crupina vulgaris	8
Crypsis alopecuroides	1
Cryptomeria japonica	3
Cucumis anguria	2
Cunninghamia lanceolata	3
Cuphea hyssopifolia	1
Cupressus sempervirens	1
Cuscuta approximata	22
Cuscuta epithymum	7
Cuscuta spp.	6
Cydonia sinensis	1
Cymbalaria muralis	3
Cynara cardunculus	2
Cynara scolymus	1
Cynodon dactylon	18
Cynosurus cristatus	4
Cyperus esculentus	4
Cytisus multiflorus	1
Cytisus scoparius	9
Daphne cneorum	3
Daphne laureola	6
Daphne mezereum	3
Daphne x burkwoodii	1
Delphinium ajacis	4
Deutzia scabra	1
Dianthus barbatus	1
Dianthus deltoides	6
Digitaria ischaemum	17
Dioscorea batatas	1
Diplotaxis muralis	4
Doronicum plantagineum	3
Doronicum sp.	1
Draba verna	14
Dracocephalum thymiflorum	4
Dracunculus vulgaris	7
Echinops exaltatus	1
Echinops ritro	1
Echinops ruthenicus	5
Echinops sphaerocephalus	1
Echium vulgare	16
Elaeagnus angustifolia	10
Elaeagnus multiflora	2
Elaeagnus umbellata	2
Eleocharis ovata	9
Elodea densa	3
✓ Elymus caput-medusae	4
Elymus junceus	6

## EXOTICS OF LIMITED DISTRIBUTION AND SLOW EXPANSION

<u>Species</u>	<u>Number of Counties</u>
<i>Elymus mollis</i>	2
<i>Elymus pungens</i>	1
<i>Elymus racemosa</i>	3
<i>Epipactis helleborine</i>	1
<i>Eragrostis curvula</i>	1
<i>Eragrostis minor</i>	4
<i>Eragrostis pilosa</i>	3
<i>Eremurus x warei</i>	1
<i>Erodium moschatum</i>	4
<i>Eruca sativa</i>	8
<i>Erucastrum gallicum</i>	6
<i>Escallonia rubra</i>	1
<i>Euclidium syriacum</i>	9
<i>Euonymus alata</i>	2
<i>Euonymus europaea</i>	1
<i>Euonymus fortunei</i>	2
<i>Euonymus nana</i>	2
<i>Euphorbia agraria</i>	1
<i>Euphorbia epichymoides</i>	2
<i>Euphorbia helioscopia</i>	9
<i>Euphorbia maculosa</i>	1
<i>Euphorbia myrsinites</i>	16
<i>Euphorbia peplus</i>	15
<i>Euphorbia pulcherima</i>	1
<i>Fagopyrum esculentum</i>	2
<i>Fagus sylvatica</i>	3
<i>Fatsia japonica</i>	1
<i>Festuca bromoides</i>	5
<i>Festuca pratensis</i>	16
<i>Filipendula vulgaris</i>	2
<i>Foeniculum vulgare</i>	10
<i>Forsythia suspensa</i>	2
<i>Fritillaria imperialis</i>	2
<i>Fumaria officinalis</i>	22
<i>Fumaria parviflora</i>	1
<i>Galeopsis tetrahit</i>	23
<i>Galinsoga parviflora</i>	3
<i>Galinsoga quadriradiata</i>	7
<i>Galium humifusum</i>	2
<i>Galium mollugo</i>	7
<i>Galium palustre</i>	3
<i>Galium pedemontanum</i>	4
<i>Galium verum</i>	18
<i>Geranium robertianum</i>	4
<i>Geranium sanguineum</i>	1
<i>Geum urbanum</i>	2
<i>Ginkgo biloba</i>	2
<i>Glaucium corniculatum</i>	1
<i>Glyceria canadensis</i>	1
<i>Gnaphalium uliginosum</i>	16
<i>Gypsophila acutifolia</i>	1
<i>Halogeton glomeratus</i>	13
<i>Hedera helix</i>	10
<i>Helleborus niger</i>	2
<i>Hemerocallis fulva</i>	1
<i>Heracleum mantegazzianum</i>	4
<i>Herniaria cineria</i>	1
<i>Hibiscus rosa-sinensis</i>	1
<i>Hibiscus syriacus</i>	3
<i>Hibiscus trionum</i>	18
<i>Hieracium aurantiacum</i>	16
<i>Hieracium pilosella</i>	2
<i>Hieracium pratense</i>	2
<i>Holcus lanatus</i>	14
<i>Holcus mollis</i>	3
<i>Holosteum umbellatum</i>	11
<i>Hordeum distichon</i>	3
<i>Hordeum geniculatum</i>	23

EXOTICS OF LIMITED DISTRIBUTION AND SLOW EXPANSION

258

<u>Species</u>	<u>Number of Counties</u>
Hordeum leporinum	14
Hordeum murinum	5
Hordeum vulgare	10
Humulus lupulus	21
Hygrophila polysperma	1
Hypericum androsaemum	4
Hyssopus officinalis	2
Iberis umbellata	1
Ilex aquifolium	4
Impatiens baldouvi	4
Impatiens glandulifera	5
Impatiens noli-tangere	5
Ipomoea purpurea	4
Iris pseudacorus	10
Isatis tinctoria	20
Jasione montana	1
Juglans ailanthifolia	1
Juncus planifolius	1
Kerria japonica	2
Kickxia elatine	4
Kickxia spuria	3
Knautia arvensis	21
Koeleruteria paniculata	3
Kolkwitzia amabilis	2
Laburnum anagyroides	1
Laburnum x watereri	1
Lactuca saligna	4
Lamium maculatum	3
Lapsana communis	23
Lathyrus latifolius	7
Lathyrus pratensis	1
Lathyrus sphaericus	3
Lathyrus sylvestris	1
Lathyrus tuberosus	1
Lavatera arborea	2
Leontodon autumnalis	2
Leontodon nudicaulis	10
Leonurus cardiaca	12
Lepidium ruderae	1
Lepidium sativum	2
Ligustrum amurense	1
Ligustrum indicum	1
Ligustrum japonicum	1
Ligustrum sinense	2
Ligustrum vulgare	2
Linum bienne	1
Linum usitatissimum	19
Lobularia maritima	6
Lolium perenne	24
Lolium persicum	24
Lolium temulentum	14
Lonicera etrusca	1
Lonicera nitida	1
Lonicera periclymenum	2
Lonicera tartarica	1
Lotus pedunculatus	1
Lotus tetragonolobus	2
Ludwigia palustris	11
Lunaria annua	6
Lychnis chalcidonica	1
Lychnis coronaria	4
Lychnis dioica	1
Lychnis flos-cuculi	1
Lychnis x arkwrightii	1
Lycopersicon lycopersicum	2
Lysimachia clethroides	2
Lysimachia punctata	6
Lysimachia vulgaris	1

## EXOTICS OF LIMITED DISTRIBUTION AND SLOW EXPANSION

<u>Species</u>	<u>Number of Counties</u>
----------------	---------------------------

Lythrum hyssopifolium	1
Lythrum virgatum	1
Maclura pomifera	8
Malcolmia africana	11
Malus floribunda	1
Malva moschata	20
Malva sylvestris	15
Malva verticillata	3
Matricaria chamomilla	2
Medicago falcata	13
Medicago hispida	18
Melissa officinalis	14
Mentha pulegium	4
Mentha spicata	3
Mentha suaveolens	1
Mentha x piperita	5
Milium vernale	1
Mirabilis jalapa	4
Mollugo verticillata	16
Morus alba	11
Muscari comosum	2
Myosotis arvensis	8
Myosotis discolor	8
Myosotis scorpioides	10
Myriophyllum brasiliense	9
Myriophyllum spicatum	10
Nepeta x faassenii	2
Neslia paniculata	6
Nicotiana glauca	1
Nigella damascena	5
Nymphaea odorata	5
Oenothera perennis	1
Oenothera pilosella	1
Onobrychis viciifolia	9
Origanum majoana	1
Origanum vulgare	5
Ornithogalum caudatum	1
Ornithogalum umbellatum	14
Orobanche minor	2
Oxalis corniculata	24
Oxalis rubra	1
Papaver argemone	7
Papaver rhoeas	4
Papaver somniferum	6
Parentucellia viscosa	22
Paulownia tomentosa	2
Peganum harmala	1
Pennisetum setaceum	1
Pernettya mucronata	4
Petasites japonicus	1
Petroselinum crispum	3
Phalaris aquatica	2
Phalaris canariensis	5
Phaseolus coccineus	5
Phaseolus vulgaris	2
Physalis peruviana	1
Pieris echioides	1
Pieris hieracoides	2
Pieris japonica	2
Pimpinella anisum	1
Pinus nigra	2
Pinus sylvestris	3
Pinus thunbergiana	1
Pinus wallichiana	1
Plantago aristata	1
Poa trivialis	12
Polygonum aubertii	3
Polygonum orientale	2

## EXOTICS OF LIMITED DISTRIBUTION AND SLOW EXPANSION

260

Species                      Number of Counties

<i>Polygonum polystachyum</i>	6
<i>Polygonum sachalinense</i>	19
<i>Poncirus trifoliata</i>	1
<i>Populus alba</i>	9
<i>Potamogeton crispus</i>	4
<i>Potentilla argentea</i>	15
<i>Potentilla nepalensis</i>	4
<i>Primula parryi</i>	7
<i>Prunus armeniaca</i>	2
<i>Prunus avium</i>	2
<i>Prunus cerasifera</i>	5
<i>Prunus cerasus</i>	1
<i>Prunus domestica</i>	6
<i>Prunus fruticosa</i>	2
<i>Prunus glandulosa</i>	1
<i>Prunus laurocerasus</i>	11
<i>Prunus lusitanica</i>	7
<i>Prunus mahaleb</i>	8
<i>Prunus padus</i>	6
<i>Prunus spinosa</i>	5
<i>Prunus tomentosa</i>	23
<i>Puccinellia distans</i>	15
<i>Pyrus calleryana</i>	1
<i>Pyrus communis</i>	4
<i>Pyrus malus</i>	14
<i>Ranunculus arvensis</i>	14
<i>Ranunculus ficaria</i>	1
<i>Ranunculus parviflorus</i>	1
<i>Raphanus raphanistrum</i>	10
<i>Raphanus sativus</i>	13
<i>Reseda lutea</i>	4
<i>Rhamnus cathartica</i>	23
<i>Rhus typhina</i>	8
<i>Ribes sativum</i>	4
<i>Robinia pseudo-acacia</i>	5
<i>Rorippa austriaca</i>	3
<i>Rorippa sylvestris</i>	11
<i>Rosa canina</i>	2
<i>Rubus discolor</i>	3
<i>Rumex acetosa</i>	5
<i>Rumex obtusifolius</i>	2
<i>Rumex patientia</i>	7
<i>Rumex sanguineus</i>	1
<i>Ruscus hypoglossum</i>	1
<i>Sagina procumbens</i>	9
<i>Salix alba</i>	4
<i>Salix babylonica</i>	1
<i>Salix fragilis</i>	3
<i>Salix pentandra</i>	1
<i>Salsola collina</i>	5
<i>Salvia nemorosa</i>	15
<i>Salvia officinalis</i>	1
<i>Salvia pratensis</i>	2
<i>Salvia sclarea</i>	3
<i>Sanguisorba minor</i>	17
<i>Saponaria ocymoides</i>	1
<i>Sarcococca hookerana</i>	1
<i>Sarcococca hookeriana</i>	1
<i>Satureja acinos</i>	1
<i>Satureja vulgaris</i>	1
<i>Scabiosa atropurpurea</i>	4
<i>Scilla siberica</i>	1
<i>Scleranthus annuus</i>	20
<i>Sclerochloa dura</i>	8
<i>Scolochloa festucacea</i>	2
<i>Scorzonera hispanica</i>	1
<i>Scorzonera laciniata</i>	2
<i>Secale cereale</i>	23

EXOTICS OF LIMITED DISTRIBUTION AND SLOW EXPANSION  
Species                      Number of Counties

<i>Sedum acre</i>	4
<i>Sedum lineare</i>	1
<i>Sedum spectabile</i>	1
<i>Senecio jacobaea</i>	23
<i>Senecio mikanooides</i>	1
<i>Senecio sylvaticus</i>	19
<i>Setaria italica</i>	5
<i>Setaria verticillata</i>	15
<i>Setcreasea pallida</i>	1
<i>Sherardia arvensis</i>	11
<i>Silene armeria</i>	4
<i>Silene conoidea</i>	11
<i>Silene cserei</i>	13
<i>Silene dichotoma</i>	2
<i>Silybum marianum</i>	10
<i>Solanum aviculare</i>	1
<i>Solanum melongena</i>	4
<i>Solanum pseudo-capsicum</i>	2
<i>Solanum tuberosum</i>	2
<i>Sophora japonica</i>	1
<i>Sorbus aria</i>	1
<i>Sorbus aucuparia</i>	9
<i>Sorbus intermedia</i>	1
<i>Sorghum bicolor</i>	4
<i>Sorghum halepense</i>	6
<i>Sorghum sudanense</i>	1
<i>Spartina alterniflora</i>	1
<i>Spartium junceum</i>	1
<i>Spergularia diandra</i>	1
<i>Spergularia marina</i>	5
<i>Sphaerophysa salsula</i>	10
<i>Spiraea japonica</i>	1
<i>Spiraea x arguta</i>	2
<i>Spiraea x bumalda</i>	1
<i>Spiraea x vanhouttei</i>	1
<i>Stachys byzantica</i>	3
<i>Stellaria graminea</i>	4
<i>Symphytum asperum</i>	1
<i>Symphytum officinale</i>	20
<i>Syringa villosa</i>	1
<i>Syringa vulgaris</i>	5
<i>Tagetes tenuifolia</i>	1
<i>Tamarix chinensis</i>	4
<i>Tamarix gallica</i>	5
<i>Tamarix parviflora</i>	2
<i>Tamarix ramosissima</i>	5
<i>Tamarix sp.</i>	2
<i>Teucrium lucidum</i>	2
<i>Thalictrum aquilegifolium</i>	1
<i>Thesium linophyllum</i>	1
<i>Thymus pseudolanuginosus</i>	1
<i>Thymus serpyllum</i>	2
<i>Tilia cordata</i>	5
<i>Tilia platyphyllos</i>	4
<i>Torilis arvensis</i>	7
<i>Trachelium caeruleum</i>	1
<i>Tradescantia x andersoniana</i>	1
<i>Tragopogon mirus</i>	2
<i>Tragopogon miscellus</i>	2
<i>Trifolium fragiferum</i>	13
<i>Trifolium incarnatum</i>	7
<i>Trifolium subterraneum</i>	4
<i>Triticum aestivum</i>	10
<i>Ulex europaeus</i>	5
<i>Ulmus carpinifolia</i>	3
<i>Ulmus davidiana</i>	2
<i>Ulmus glabra</i>	3
<i>Ulmus parviflora</i>	1

EXOTICS OF LIMITED DISTRIBUTION AND SLOW EXPANSION

Species                      Number of Counties

Ulmus pumila	4
Valeriana officinalis	4
Valerianella carinata	2
Valerianella locusta	19
Ventenata dubia	8
Verbascum virgatum	1
Veronica biloba	16
Veronica chamaedrys	7
Veronica filiformis	3
Veronica gentianoides	1
Veronica longifolia	2
Veronica officinalis	18
Veronica persica	23
Veronica triphyllus	2
Veronica verna	8
Viburnum carlesii	1
Viburnum dilatatum	1
Viburnum lanata	4
Viburnum rhytidophyllum	1
Viburnum tinus	3
Viburnum x burkwoodii	1
Vicia faba	5
Vicia tetrasperma	14
Vinca major	12
Viola arvensis	5
Viola lanceolata	1
Viola odorata	7
Vitis vinifera	1
Zoysia tenuifolia	1
Zygophyllum fabago	6

PART IV

## HABITAT COLONIZED BY EACH EXOTIC

This print out is our first assignment of exotic species to habitats. Habitats susceptible to invasion by most of the individual exotic species can be identified at least to the landscape level of life zone. The newer exotics are listed as "Habitat not determined". If we complete the collection of all available distribution data it should be possible to assign most of these new exotics to at least a life zone; and refine the assignment of the less recent invaders.

Specific habitat types are located in each life zone. These life zone and habitat type assignments follow the conventions established by Region 1 and Natural Heritage Program. Within a life zone a specialized community or the forest successional stage provides additional information on the status of the habitat that favors colonization or maintenance of the exotic species.

The format of the print out is:

Genus species Authority

Life Zone:Special Community or Forest Stage

LIFE ZONE DEFINITIONS

## Alpine

Areas above the limit of tree growth

## Timberline

High elevation zones containing stunted trees and krummholz. Tree species found here are Pinus albicus, Abies lasiocarpa, and Larix lyallii.

## Upper Subalpine Forest

Upper zone of continuous forest. Representative habitat types are ABILAS-PINALB/VACSCO and ABILAS/LUZHIT.

## Lower Subalpine Forest

Forests containing other Abies lasiocarpa habitat types.

## Mesic Mountain Forest

Forest series found in this zone are ABIGRA, THUPLI, TSUHET, and PICEAX. Wetter PINCON habitat types are also included.

## Xeric Mountain Forest

PINCON/CALRUB habitat type along with Pseudotsuga menziesii habitat types are found in this life zone.

#### Xeric Foothill & Break Forests

Dry low-elevation forests containing PINPON, PINFLE, and JUNSCO habitat types.

#### Subalpine Grass & Shrublands

High elevation grasslands containing the FESIDA/CARFIL and FESIDA/DESCAE habitat types.

#### Mountain Grass & Shrublands

Grass and shrublands containing the FESSCA/FESIDA, FESIDA/AGRCAN, and FESIDA/STIRIC grasslands and ARTTRI/FESIDA, ARTTRI/FESSCA, POTFRU/FESSCA, and POTFRU/FESIDA shrublands habitat types.

#### Xeric Mountain Grass & Shrublands

Characteristic types found in this zone are AGRSPI/POASAN, FESSCA/ARGSPI, FESIDA/CARHEL, FESIDA/AGRSPI, and STICOM/CARHEL grassland and ARTTRI/AGRSPI, PURTRI/FESSCA, PURTRI/FESSCA, PURTRI/FESIDA, ARTTRI/AGRSMI, and JUNHOR/CARHEL shrubland habitat types.

#### Xeric Foothills, Breaks and Plains Grass & Shrublands

Low elevation grasslands having STICOM/BOUGRA, STICOM/CARFIL, AGRSPI/AGRSMI, FESIDA/AGRSMI, AGRSMI/CARFIL, AGRSPI/BOUCUR, and AGRSPI/CARFIL grassland and ARTARB/AGRSPI, ARTARB/FESIDA, CERLEA/AGRSPI, SARVER/AGRSMI, and RHUTRI shrubland habitat types.

#### Tall Grass Prairie

Moist grasslands located in the eastern part of the Dakotas containing ANDGER, PANVIR, SORNUT, and STISPA types.

## HABITAT STATUS DESCRIPTORS

### Special Community

Aquatic

Decayed wood

Disturbed ground, mechanical or overgrazing

Wooded areas

Grassland

Growing on bark, standing wood, or branches

Growing on soil, duff, rock, or wood

Thermal springs & pools

Flowing water

Still water

Open barren, rocky, or sandy places

On stone or rock

In moist draws

Alkaline or saline soils

Vernal pools

Wetland

On soil and duff in forests

On soil and duff in grasslands

### Forest Successional Stage

Present

Early succession - western forest

Mid succession - western forest

Late succession - western forest

Early & mid succession - western forest

Mid & late succession - western forest

All stages - western forest

*Abies pinsapo* Boiss.

Habitat not determined.

*Abutilon theophrasti* Medic.

Xeric Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing

Xeric Foothills, Breaks, & Plains Grass & Shrublands: Disturbed ground, mechanical or overgrazing

Tall Grass Prairie: Disturbed ground, mechanical or overgrazing

*Acer circinatum* Pursh.

Habitat not determined.

*Acer ginnala* Maxim.

Tall Grass Prairie: Present

*Acer grandidentatum* Nutt.

Xeric Foothill & Break Forests: Wetland

Xeric Mountain Grass & Shrublands: Wetland

Xeric Foothills, Breaks, & Plains Grass & Shrublands: Wetland

*Acer macrophyllum* Pursh.

Habitat not determined.

*Acer palmatum* Thunb.

Habitat not determined.

*Acer platanoides* L.

Xeric Foothill & Break Forests: Present

- Xeric Mountain Grass & Shrublands: Present

*Acer pseudo-platanus* L.

Habitat not determined.

*Acer rubrum* L.

Habitat not determined.

*Acer saccharinum* L.

Habitat not determined.

*Acer saccharum* Marsh.

Habitat not determined.

*Achillea aobilis* L.

Mesic Mountain Forest: Disturbed ground, mechanical or overgrazing

Xeric Mountain Forest: Disturbed ground, mechanical or overgrazing

*Achillea ptarmica* L.

Habitat not determined.

*Aconitum carmichaelii* Debeaux.

Habitat not determined.

*Aconitum x bicolor*

Habitat not determined.

HABITAT INFORMATION FOR EXOTIC PLANT SPECIES OF THE COLUMBIA BASIN

*Adonis aestivalis* L.

**Mesic Mountain** Forest: Disturbed ground, mechanical or overgrazing  
Xeric Mountain Forest: Disturbed ground, mechanical or overgrazing  
Xeric Foothill & Break Forests: Disturbed ground, mechanical or overgrazing  
Mountain Grass & Shrublands: Disturbed ground, **mechanical** or overgrazing  
Xeric Mountain Grass & Shrublands: Disturbed ground, **mechanical** or overgrazing

*Adonis annua* L.

Habitat not determined.

*Aegilops cylindrica* Host

Xeric Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
**Xeric Foothills, Breaks, & Plains** Grass & Shrublands: Disturbed ground, **mechanical** or overgrazing  
Tall Grass Prairie: Disturbed ground, mechanical or overgrazing

*Acropodium podagraria* L.

Habitat not determined.

*Agropyron cristatum* (L.) Gaertn.

Lower Subalpine Forest: Disturbed ground, mechanical or overgrazing  
**Mesic Mountain** Forest: Disturbed ground, mechanical or **overgrazing**  
Xeric Mountain Forest: Disturbed ground, mechanical or overgrazing  
Xeric Foothill & Break Forests: Disturbed ground, mechanical or overgrazing  
Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
Xeric Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
Xeric **Foothills, Breaks, & Plains** Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
Tall Grass Prairie: Disturbed ground, mechanical or overgrazing

*Agropyron clongatum* (Host) Beauv.

**Mesic Mountain** Forest: Disturbed ground, mechanical or overgrazing  
Xeric Mountain Forest: Disturbed ground, mechanical or overgrazing  
Xeric Foothill & Break Forests: Disturbed **ground**, mechanical or overgrazing  
Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
Xeric Mountain Grass & Shrublands: Disturbed ground, **mechanical** or overgrazing  
Xeric **Foothills, Breaks, & Plains** Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
Tall Grass Prairie: Disturbed ground, mechanical or overgrazing

*Agropyron intermedium* (Host) Beauv.

**Mesic Mountain** Forest: **Disturbed** ground, mechanical or overgrazing  
Xeric Mountain Forest: Disturbed ground, mechanical or overgrazing  
Xeric **Foothill & Break** Forests: Disturbed ground, mechanical or overgrazing  
Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
Xeric Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
Xeric Foothills, Breaks, & Plains Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
Tall Grass Prairie: Disturbed ground, mechanical or overgrazing

*Agropyron repens* (L.) Beauv.

Lower Subalpine Forest: Wetland  
**Mesic Mountain** Forest: Wetland  
Xeric Mountain Forest: Wetland  
Xeric Foothill & Break Forests: Wetland  
Mountain Grass & Shrublands: Wetland  
Xeric Mountain Grass & Shrublands: Wetland  
Xeric **Foothills, Breaks, & Plains** Grass & Shrublands: Wetland  
Tall Grass Prairie: Wetland

*Agropyron triticum* Gaertn.

Xeric Mountain Forest: Disturbed ground, mechanical or overgrazing  
**Xeric Foothill & Break** Forests: Disturbed ground, mechanical or **overgrazing**  
Mountain Grass & Shrublands: **Disturbed** ground, mechanical or overgrazing  
Xeric Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing

*Agrostemma githago* L.

Xeric Mountain Forest: Disturbed ground, mechanical or overgrazing  
**Mountain** Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
Xeric Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
Xeric **Foothills, Breaks, & Plains** Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
Tall Grass Prairie: Disturbed ground, mechanical or overgrazing

*Agrostis interrupta* L.

Xeric **Mountain** Forest: Disturbed ground, mechanical or overgrazing  
 Xeric Foothill & Break Forests: Disturbed ground, mechanical or overgrazing  
**Mountain** Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
 Xeric Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing

*Agrostis stolonifera* L.

Lower Subalpine **Forest**: Wetland  
**Mesic** Mountain Forest: Wetland  
 Xeric Mountain Forest: Wetland  
 Xeric Foothill & Break Forests: Wetland  
 Subalpine Grass & Shrublands: Wetland  
 Mountain Grass & Shrublands: Wetland  
 Xeric Mountain Grass & Shrublands: Wetland  
 Xeric **Footslopes**, Breaks, & Plains Grass & Shrublands: **Wetland**  
 Tall Grass Prairie: Wetland

*Ailanthus altissima* (Mill.) **Swilg.**

Habitat not determined.

*Aira caryophylla* L.

Habitat not determined.

*Ajuga reptans* L.

Habitat not determined.

*Alchemilla vulgaris* L.

Xeric Mountain Forest: Disturbed ground, mechanical or overgrazing  
 Xeric Foothill & Break Forests: Disturbed ground, mechanical or overgrazing  
 Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
 Xeric Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing

*Alhagi pseudalhagi* (Bitb.) **Desv.**

Habitat not determined.

*Allium giganteum* **Regel.**

Habitat not determined.

*Allium triquetrum* L.

Habitat not determined.

*Allium vineale* L.

Habitat not determined.

*Alopecurus arundinaceus* Poir.

Xeric Footslopes, Breaks, & Plains Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
 Tall Grass Prairie: Disturbed ground, mechanical or overgrazing

*Alopecurus mysosuroides* Huds.

Habitat not determined.

*Alopecurus pratensis* L.

**Mesic** Mountain **Forest**: **Wetland**  
 Xeric Mountain Forest: Wetland+  
 Xeric Foothill & Break Forests: Wetland  
 Mountain Grass & Shrublands: Wetland  
 Xeric Mountain Grass & Shrublands: Wetland  
 Xeric Footslopes, Breaks, & Plains Grass & Shrublands: Wetland  
 Tall Grass Prairie: Wetland

*Alternanthera sessilis* (L.) DC.

Habitat not determined.

*Althaea officinalis* L.

Tall Grass Prairie: Wetland

HABITAT INFORMATION FOR EXOTIC PLANT SPECIES OF THE COLUMBIA BASIN

*Althaea rosea* Cav.

**Mesic Mountain** Forest: Disturbed ground, mechanical or overgrazing  
 Xeric Mountain Forest: Disturbed ground, mechanical or overgrazing  
 Xeric Foothill & Break Forests: Disturbed ground, mechanical or overgrazing  
**Mountain** Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
 Xeric Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
 Xeric Footslopes, Breaks, & Plains Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
 Tall Grass Prairie: **Disturbed** ground, mechanical or overgrazing

*Alyssum alyssoides* L.

Xeric Mountain Forest: Disturbed ground, mechanical or overgrazing  
 Xeric Foothill & Break Forests: Disturbed ground, mechanical or overgrazing  
 Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
 Xeric Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
 Xeric Footslopes, Breaks, & Plains Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
 Tall Grass Prairie: Disturbed ground, mechanical or overgrazing

*Alyssum desertorum* Stapf

Xeric Mountain Forest: All stages - western forest  
 Xeric Foothill & Break Forests: All stages - western forest  
 Mountain Grass & Shrublands: Present  
 Xeric Mountain Grass & Shrublands: Present  
 Xeric **Footslopes, Breaks, & Plains** Grass & Shrublands: Present

*Amaranthus caudatus* L.

Habitat not determined.

*Amaranthus hybridus* L.

Xeric Mountain Forest: **Disturbed** ground, mechanical or **overgrazing**  
**Xeric Foothill & Break** Forests: Disturbed ground, **mechanical or overgrazing**  
 Xeric Mountain Grass & Shrublands: Disturbed ground, mechanical or **overgrazing**  
**Xeric Footslopes, Breaks, & Plains** Grass & Shrublands: Disturbed ground, mechanical or **overgrazing**  
 Tall Grass Prairie: Disturbed ground, mechanical or overgrazing

*Anchusa arvensis* (L.) Bieb.

Xeric Foothill & Break Forests: Disturbed ground, mechanical or overgrazing  
 Xeric Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
 Xeric **Footslopes, Breaks, & Plains** Grass & Shrublands: Disturbed ground, mechanical or overgrazing

*Anchusa azurea* Mill.

Xeric Mountain Forest: Disturbed ground, mechanical or overgrazing  
 Xeric Foothill & Break Forests: **Present**  
 Mountain Grass & Shrublands: Present  
 Xeric **Mountain** Grass & Shrublands: Present

*Anchusa officinalis* L.

Xeric **Mountain** Forest: Disturbed ground, mechanical or overgrazing  
 Xeric Foothill & Break Forests: Disturbed ground, mechanical or overgrazing  
 Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
 Xeric Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing

*Anemone graveolens* L.

**Xeric Footslopes, Breaks, & Plains** Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
 Tall Grass Prairie: Disturbed ground, mechanical or overgrazing

*Anthemis arvensis* L.

Tall Grass Prairie: Disturbed ground, mechanical or **overgrazing**

*Anthemis cotula* L.

**Mesic** Mountain Forest: Wetland  
 Xeric Mountain Forest: Wetland  
 Xeric Foothill & Break Forests: **Wetland**  
**Mountain** Grass & Shrublands: Wetland  
 Xeric Mountain Grass & Shrublands: Wetland  
 Xeric Footslopes, Breaks, & Plains Grass & Shrublands: Wetland  
 Tall Grass Prairie: Wetland

**Anthemis tinctoria L.**

**Mesic Mountain Forest:** Disturbed ground, mechanical or **overgrazing**

**Xeric Mountain Forest:** Disturbed ground, mechanical or **overgrazing**

**Xeric Mountain Grass & Shrublands:** **Disturbed** ground, mechanical or **overgrazing**

**Tall Grass Prairie:** Disturbed ground, mechanical or **overgrazing**

**Anthriscus caucalis Bieb.**

Habitat not determined.

**Anthriscus cerefolium (L.) Hoffm.**

**Xeric Foothill & Break Forests:** Disturbed ground, mechanical or **overgrazing**

**Xeric Mountain Grass & Shrublands:** Disturbed ground, mechanical or **overgrazing**.

**Anthriscus sylvestris (L.) Hoffm.**

Habitat not determined.

**Anthyllis vulneria L.**

**Tall Grass Prairie:** Disturbed ground, **mechanical** or **overgrazing**

**Antirrhinum orontium L.**

Habitat not determined.

**Arabis thaliana (L.) Heynh.**

**Lower Subalpine Forest:** Disturbed ground, mechanical or **overgrazing**

**Mesic Mountain Forest:** Disturbed ground, mechanical or **overgrazing**

**Xeric Mountain Forest:** Disturbed ground, mechanical or **overgrazing**

**Xeric Foothill & Break Forests:** **Disturbed ground,** mechanical or **overgrazing**

**Subalpine Grass & Shrublands:** Disturbed ground, **mechanical** or **overgrazing**

**Mountain Grass & Shrublands:** **Disturbed ground,** mechanical or **overgrazing**

**Xeric Mountain Grass & Shrublands:** **Disturbed ground,** mechanical or **overgrazing**

**Arabis glabra (L.) Bernh.**

**Mesic Mountain Forest:** Open barren, rocky, or sandy **places**

**Xeric Mountain Forest:** All **stages - western forest**

**Xeric Foothill & Break Forests:** All **stages - western forest**

**Mountain Grass & Shrublands:** **Present**

**Xeric Mountain Grass & Shrublands:** **Present**

**Xeric Footslopes, Breaks, & Plains Grass & Shrublands:** **Present**

**Tall Grass Prairie:** **Present**

**Aralia elata (Miq.) Seem.**

Habitat not determined.

**Arctium lappa L.**

**Mesic Mountain Forest:** Disturbed ground, **mechanical** or **overgrazing**

**Xeric Mountain Forest:** Disturbed ground, mechanical or **overgrazing**

**Xeric Foothill & Break Forests:** **Disturbed** ground, mechanical or **overgrazing**

**Mountain Grass & Shrublands:** Disturbed ground, **mechanical** or **overgrazing**

**Xeric Mountain Grass & Shrublands:** Disturbed ground, mechanical or **overgrazing**

**Tall Grass Prairie:** Disturbed ground, mechanical or **overgrazing**

**Arctium minus (Hill) Bernh.**

**Mesic Mountain Forest:** Disturbed ground, mechanical or **overgrazing**

**Xeric Mountain Forest:** Disturbed ground, mechanical or **overgrazing**

**Xeric Foothill & Break Forests:** Disturbed ground, mechanical or **overgrazing**

**Mountain Grass & Shrublands:** Disturbed ground, mechanical or **overgrazing**

**Xeric Mountain Grass & Shrublands:** Disturbed ground, mechanical or **overgrazing**

**Xeric Footslopes, Breaks, & Plains Grass & Shrublands:** Disturbed ground, **mechanical** or **overgrazing**

**Tall Grass Prairie:** Disturbed ground, mechanical or **overgrazing**

**Arctium tomentosum Miller**

**Tall Grass Prairie:** Disturbed ground, **mechanical** or **overgrazing**

**Arenaria serpyllifolia L.**

**Mesic Mountain Forest:** Disturbed ground, mechanical or **overgrazing**

**Xeric Mountain Forest:** All **stages - western forest**

**Xeric Foothill & Break Forests:** All **stages - western forest**

**Mountain Grass & Shrublands:** **Present**

**Xeric Mountain Grass & Shrublands:** **Present**

HABITAT INFORMATION FOR EXOTIC PLANT SPECIES OF THE COLUMBIA BASIN

*Armoracia rusticana* Gaertn., B. Mey & Schreb

Xeric Foothills, Breaks, & Plains Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
Tall Grass Prairie: Disturbed ground, **mechanical** or overgrazing

*Arrhenatherum elatius* (L.) Presl.

Mesic Mountain Forest: Disturbed ground, mechanical or overgrazing,  
Xeric Mountain Forest: Disturbed ground, mechanical or **overgrazing**  
Xeric Foothill & Break Forests: Disturbed ground, mechanical or overgrazing  
Mountain Grass & Shrublands: Disturbed ground, **mechanical** or overgrazing  
Xeric Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing

*Artemisia absinthium* L.

Mesic Mountain Forest: Disturbed ground, mechanical or overgrazing  
Xeric Mountain Forest: Disturbed ground, mechanical or overgrazing  
Xeric Foothill & Break Forests: Disturbed ground, **mechanical** or overgrazing  
Mountain Grass & Shrublands: Disturbed ground, **mechanical** or overgrazing  
Xeric Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
Xeric Foothills, Breaks, & Plains Grass & Shrublands: Disturbed ground, **mechanical** or overgrazing  
Tall Grass Prairie: Disturbed ground, **mechanical** or overgrazing

*Artemisia annua* L.

Xeric Mountain Forest: Disturbed ground, mechanical or **overgrazing**  
Xeric Foothill & Break Forests: Disturbed ground, mechanical or overgrazing  
Xeric Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing

*Artemisia vulgaris* L.

Mesic Mountain Forest: Disturbed ground, mechanical or overgrazing  
Xeric Mountain Forest: Disturbed ground, mechanical or overgrazing  
Xeric Foothill & Break Forests: Disturbed ground, mechanical or **overgrazing**  
Mountain Grass & Shrublands: Disturbed ground, mechanical or **overgrazing**  
Xeric Mountain Grass & Shrublands: Disturbed ground, mechanical or **overgrazing**

*Arum italicum* Mill.

Habitat not determined.

*Asparagus officinalis* L.

Mesic Mountain Forest: Disturbed ground, mechanical or **overgrazing**  
Xeric Mountain Forest: Disturbed ground, mechanical or overgrazing  
Xeric Foothill & Break Forests: All stages - western forest  
Mountain Grass & Shrublands: Present  
Xeric Mountain Grass & Shrublands: Present  
Xeric Foothills, Breaks, & Plains Grass & Shrublands: Present  
Tall Grass Prairie: Present

*Asperugo procumbens* L.

Xeric Mountain Forest: Disturbed ground, mechanical or overgrazing  
Xeric Foothill & Break Forests: Disturbed ground, mechanical or **overgrazing**  
Xeric Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
Xeric Foothills, Breaks, & Plains Grass & Shrublands: Disturbed ground, mechanical or overgrazing

*Asphodelus fistulosus* L.

Habitat not determined.

*Astilbe simplicifolia* Mak.

Habitat not determined.

*Astragalus cicer* L.

Mesic Mountain Forest: Disturbed ground, mechanical or **overgrazing**  
Xeric Mountain Forest: Disturbed ground, mechanical or overgrazing  
Xeric Foothill & Break Forests: Disturbed ground, mechanical or overgrazing  
Mountain Grass & Shrublands: Disturbed ground, **mechanical** or **overgrazing**  
Xeric Mountain Grass & Shrublands: Disturbed ground, **mechanical** or overgrazing

*Astragalus falcatus* Lam.

Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
Xeric Mountain Grass & Shrublands: Disturbed ground, **mechanical** or overgrazing

*Atriplex halimus* L.

Habitat not determined.

HABITAT INFORMATION FOR EXOTIC PLANT SPECIES OF THE COLUMBIA BASIN

272

**Atriplex hortensis** L.

**Mountain Grass & Shrublands:** Disturbed ground, **mechanical** or overgrazing  
**Xeric Mountain Grass & Shrublands:** Disturbed ground; mechanical or overgrazing  
**Xeric Footslopes, Breaks, & Plains Grass & Shrublands:** Disturbed ground, mechanical or **overgrazing**  
**Tall Grass Prairie:** Disturbed ground, mechanical or overgrazing

**Atriplex nummularia** Lindl.

Habitat not determined.

**Atriplex oblongifolia** Waldst & Kir.

**Mesic Mountain Forest:** Disturbed ground, mechanical or overgrazing  
**Xeric Foothill & Break Forests:** Disturbed ground, mechanical or overgrazing  
**Xeric Mountain Grass & Shrublands:** Disturbed ground, mechanical or overgrazing

**Atriplex rosea** L.

**Xeric Mountain Forest:** Alkaline or saline soils  
**Xeric Foothill & Break Forests:** Alkaline or **saline** soils  
**Mountain Grass & Shrublands:** Alkaline or saline soils  
**Xeric Mountain Grass & Shrublands:** Alkaline or saline soils  
**Xeric Footslopes, Breaks, & Plains Grass & Shrublands:** Alkaline or **saline** soils  
**Tall Grass Prairie:** **Alkaline** or saline soils

**Atropa belladonna** L.

Habitat not determined.

**Aucuba japonica** Thunb.

Habitat not determined.

**Avena fatua** L.

**Xeric Mountain Forest:** Disturbed ground, **mechanical** or overgrazing  
**Xeric Foothill & Break Forests:** Disturbed ground, **mechanical** or **overgrazing**  
**Mountain Grass & Shrublands:** Disturbed ground, mechanical or **overgrazing**  
**Xeric Mountain Grass & Shrublands:** Disturbed ground, mechanical or overgrazing  
**Xeric Footslopes, Breaks, & Plains Grass & Shrublands:** Disturbed ground, mechanical or overgrazing  
**Tall Grass Prairie:** Disturbed ground, **mechanical** or overgrazing

**Avena sativa** L.

**Xeric Mountain Forest:** Disturbed ground, mechanical or overgrazing  
**Xeric Foothill & Break Forests:** Disturbed ground, mechanical or **overgrazing**  
**Mountain Grass & Shrublands:** Disturbed ground, mechanical or overgrazing  
**Xeric Mountain Grass & Shrublands:** Disturbed **ground, mechanical** or overgrazing  
**Xeric Footslopes, Breaks, & Plains Grass & Shrublands:** Disturbed ground, mechanical or overgrazing  
**Tall Grass Prairie:** Disturbed ground, mechanical or **overgrazing**

**Avena sterilis** L.

Habitat not determined.

**Axyris amaranthoides** L.

**Xeric Footslopes, Breaks, & Plains Grass & Shrublands:** Disturbed ground, mechanical or overgrazing  
**Tall Grass Prairie:** Disturbed ground, **mechanical** or overgrazing

**Barbarea verna** (Mill.) **Asch.**

Habitat not determined.

**Barbarea vulgaris** R

**Br.**

**Mesic Mountain Forest:** Wetland  
**Xeric Mountain Forest:** Wetland  
**Tall Grass Prairie:** Wetland

**Bassia hyssopifolia** (Pall.) Kuntze.

**Xeric Mountain Forest:** Disturbed ground, mechanical or overgrazing  
**Xeric Foothill & Break Forests:** Disturbed ground, mechanical or overgrazing  
**Mountain Grass & Shrublands:** **Disturbed ground, mechanical** or overgrazing  
**Xeric Mountain Grass & Shrublands:** Disturbed ground, mechanical or overgrazing  
**Xeric Footslopes, Breaks, & Plains Grass & Shrublands:** Disturbed ground, **mechanical** or overgrazing

**Bclamecanda chinensis** (L.) DC.

**Tall Grass Prairie:** Disturbed ground, mechanical or overgrazing

HABITAT INFORMATION FOR EXOTIC PLANT SPECIES OF THE COLUMBIA BASIN

*Bellis perennis* L.

**Mesic Mountain Forest:** Disturbed ground, mechanical or overgrazing  
**Xeric Mountain Forest:** Disturbed ground, **mechanical** or overgrazing  
**Xeric Foothill & Break Forests:** Disturbed ground, mechanical or overgrazing  
**Tall Grass Prairie:** Disturbed ground, mechanical or overgrazing

*Berberis thunbergii* DC.

Habitat not determined.

*Berberis thunbergii* DC.

**Tall Grass Prairie:** Disturbed ground, mechanical or overgrazing

*Berberis vulgaris* L.

**Mesic Mountain Forest:** Disturbed ground, mechanical or overgrazing  
**Xeric Mountain Forest:** Disturbed ground, mechanical or overgrazing  
**Xeric Foothill & Break Forests:** Wetland  
**Xeric Mountain Grass & Shrublands:** **Wetland**  
**Tall Grass Prairie:** Disturbed ground, mechanical or overgrazing

*Berteroa incana* (L.) DC.

**Mesic Mountain Forest:** Disturbed ground, mechanical or overgrazing  
**Xeric Mountain Forest:** Disturbed ground, mechanical or overgrazing  
**Xeric Foothill & Break Forests:** Disturbed ground, mechanical or overgrazing  
**Mountain Grass & Shrublands:** Disturbed ground, mechanical or overgrazing  
**Xeric Mountain Grass & Shrublands:** Disturbed ground, mechanical or overgrazing  
**Xeric Footslopes, Breaks, & Plains Grass & Shrublands:** Disturbed ground, **mechanical** or overgrazing  
**Tall Grass Prairie:** Disturbed ground, mechanical or overgrazing

*Beta vulgaris* L.

Habitat not determined.

*Betula lenta* L.

Habitat not determined.

*Betula pendula* Roth.

Habitat not determined.

*Bidens pilosa* L.

Habitat not determined.

*Borago officinalis* L.

**Mesic Mountain Forest:** Disturbed ground, mechanical or overgrazing  
**Xeric Mountain Forest:** Disturbed ground, mechanical or overgrazing  
**Xeric Foothill & Break Forests:** Disturbed ground, **mechanical** or overgrazing  
**Xeric Footslopes, Breaks, & Plains Grass & Shrublands:** Disturbed ground, mechanical or overgrazing  
**Tall Grass Prairie:** Disturbed ground, mechanical or overgrazing

*Brassica alba* Ann.

Habitat not determined.

*Brassica campestris* L.

**Mesic Mountain Forest:** Disturbed ground, mechanical or overgrazing  
**Xeric Mountain Forest:** Disturbed ground, mechanical or overgrazing  
**Xeric Foothill & Break Forests:** Disturbed ground, mechanical or overgrazing  
**Mountain Grass & Shrublands:** Disturbed ground, mechanical or overgrazing  
**Xeric Mountain Grass & Shrublands:** Disturbed ground, mechanical or overgrazing  
**Xeric Footslopes, Breaks, & Plains Grass & Shrublands:** Disturbed ground, **mechanical** or overgrazing  
**Tall Grass, Prairie:** Disturbed ground, mechanical or overgrazing

*Brassica hirta* Moench

**Mesic Mountain Forest:** Disturbed ground, **mechanical** or overgrazing  
**Xeric Mountain Forest:** Disturbed ground, mechanical or overgrazing  
**Xeric Foothill & Break Forests:** Disturbed ground, mechanical or overgrazing  
**Mountain Grass & Shrublands:** Disturbed ground, mechanical or overgrazing  
**Xeric Mountain Grass & Shrublands:** Disturbed ground, mechanical or overgrazing  
**Xeric Footslopes, Breaks, & Plains Grass & Shrublands:** Disturbed ground, mechanical or overgrazing  
**Tall Grass Prairie:** Disturbed ground, **mechanical** or overgrazing

**Brassica juncea (L.) Czern.**

Mesic Mountain Forest: Disturbed ground, mechanical or overgrazing  
 Xeric Mountain Forest: Disturbed ground, mechanical or overgrazing  
 Xeric Foothill & Break Forests: Disturbed ground, mechanical or overgrazing  
 Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
 Xeric Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
 Xeric Foothills, Breaks, & Plains Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
 Tall Grass Prairie: Disturbed ground, **mechanical or** overgrazing

**Brassica kaber (D.C.) Wheeler**

**Mesic** Mountain Forest: Disturbed ground, mechanical or overgrazing  
 Xeric Mountain Forest: Disturbed ground, mechanical or overgrazing  
 Xeric Foothill & Break Forests: Disturbed ground, mechanical or overgrazing  
 Mountain Grass & Shrublands: Disturbed ground; mechanical or overgrazing  
 Xeric Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
 Xeric Foothills, Breaks, & Plains Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
 Tall Grass Prairie: Disturbed ground, mechanical or overgrazing

**Brassica napus** Ann.

Habitat not determined.

**Brassica nigra (L.) Koch**

**Mesic** Mountain Forest: Disturbed ground, mechanical **or overgrazing**  
 Xeric Mountain Forest: Disturbed ground, mechanical or overgrazing  
 Xeric Foothill & Break Forests: Disturbed ground, mechanical or overgrazing  
 Mountain Grass & Shrublands: Disturbed ground, **mechanical or** overgrazing  
**Xeric** Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
**Xeric Foothills, Breaks, & Plains** Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
 Tall Grass Prairie: Disturbed ground, mechanical or overgrazing

**Brassica oleracea** L.

Habitat not determined.

**Bromus arvensis** L.

Habitat not determined.

**Bromus brizaeformis** Fisch. & Mey.

Mesic Mountain Forest: Disturbed ground, mechanical or overgrazing.  
 Xeric Mountain Forest: Disturbed ground, mechanical or overgrazing  
 Xeric Foothill & Break Forests: Disturbed ground, mechanical or overgrazing  
**Mountain** Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
 Xeric Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing

**Bromus commutatus** Schrad.

**Mesic** Mountain Forest: Disturbed ground, mechanical or overgrazing  
 Xeric Mountain Forest: Disturbed ground, mechanical or overgrazing  
 Xeric Foothill & Break Forests: Disturbed **ground, mechanical** or overgrazing  
 Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
 Xeric Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing

**Bromus japonicus** Thunb.

Xeric Mountain Forest: All stages - western forest  
 Xeric Foothill & Break Forests: All stages - western forest  
 Mountain Grass & Shrublands: **Present**  
 Xeric Mountain Grass & Shrublands: Present  
 Xeric Foothills, Breaks, & Plains Grass & Shrublands: Present  
 Tall Grass Prairie: Present

**Bromus mollis** L.

Xeric Mountain Forest: Disturbed ground, mechanical or overgrazing  
 Xeric Foothill & Break Forests: Disturbed ground, mechanical or overgrazing  
 Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
 Xeric Mountain Grass & Shrublands: Disturbed **ground,** mechanical or overgrazing

**Bromus rigidus** Roth

**Mesic** Mountain Forest: Disturbed ground, mechanical or overgrazing  
 Xeric Mountain Forest: Disturbed ground, mechanical or overgrazing  
 Xeric Foothill & Break Forests: Disturbed ground, mechanical or overgrazing  
**Mountain** Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
 Xeric Mountain Grass & Shrublands: **Disturbed** ground, mechanical or overgrazing

HABITAT INFORMATION FOR EXOTIC PLANT SPECIES OF THE COLUMBIA BASIN

*Bromus rubens* L.

Habitat not determined.

*Bromus xcalinus* L.

Mesic **Mountain Forest**: Disturbed ground, mechanical or overgrazing  
 Xeric **Mountain Forest**: Disturbed ground, mechanical or overgrazing  
 Xeric **Foothill & Break Forests**: Disturbed ground, mechanical or overgrazing  
**Mountain Grass & Shrublands**: Disturbed ground, mechanical or overgrazing  
 Xeric **Mountain Grass & Shrublands**: Disturbed ground, mechanical or overgrazing  
 Xeric **Footslopes, Breaks, & Plains Grass & Shrublands**: Present  
 Tall Grass Prairie: Disturbed ground, mechanical or overgrazing

*Bromus squarrosus* L.

Xeric **Foothill & Break Forests**: Disturbed ground, mechanical or overgrazing  
 Xeric **Mountain Grass & Shrublands**: Disturbed ground, mechanical or overgrazing  
 Xeric **Footslopes, Breaks, & Plains Grass & Shrublands**: Disturbed ground, mechanical or overgrazing  
 Tall Grass Prairie: Disturbed ground, mechanical or overgrazing

*Bromus sterilis* L.

Mesic **Mountain Forest**: Disturbed ground, mechanical or overgrazing  
 Xeric **Mountain Forest**: Disturbed ground, mechanical or overgrazing  
 Xeric **Foothill & Break Forests**: Disturbed ground, mechanical or overgrazing  
**Mountain Grass & Shrublands**: Disturbed ground, mechanical or overgrazing  
 Xeric **Mountain Grass & Shrublands**: Disturbed ground, mechanical or overgrazing

*Bromus tectorum* L.

Xeric **Mountain Forest**: All stages - western forest  
 Xeric **Foothill & Break Forests**: All stages - western forest  
**Mountain Grass & Shrublands**: Present  
 Xeric **Mountain Grass & Shrublands**: Present  
 Xeric **Footslopes, Breaks, & Plains Grass & Shrublands**: Present  
 Tall **Grass Prairie**: Disturbed ground, mechanical or overgrazing

*Bryonia alba* L.

Xeric **Mountain Forest**: All stages - western forest  
 Xeric **Foothill & Break Forests**: All stages - western forest  
**Mountain Grass & Shrublands**: Wooded areas  
 Xeric **Mountain Grass & Shrublands**: Wooded areas

*Bryonia dioica* Jacq.

Habitat not determined.

*Buddlia davidii* Franch.

Habitat not determined.

*Butomus umbellatus* L.

Xeric **Foothill & Break Forests**: Disturbed ground, mechanical or overgrazing  
 Xeric **Mountain Grass & Shrublands**: Disturbed ground, mechanical or overgrazing  
 Tall **Grass Prairie**: Disturbed ground, mechanical or overgrazing

*Cakile edentula* (Bigelow) Hooker.

Habitat not determined.

*Cakile maritima* Scop.

Habitat not determined.

*Calamagrostis koelerioides* Vasey

Mesic **Mountain Forest**: Disturbed ground, mechanical or overgrazing

*Camelina microcarpa* Andr.

Mesic **Mountain Forest**: Disturbed ground, mechanical or overgrazing  
 Xeric **Mountain Forest**: Disturbed ground, mechanical or overgrazing  
 Xeric **Foothill & Break Forests**: Disturbed ground, mechanical or overgrazing  
**Mountain Grass & Shrublands**: Disturbed ground, mechanical or overgrazing  
 Xeric **Mountain Grass & Shrublands**: Disturbed ground, mechanical or overgrazing  
 Xeric **Footslopes, Breaks, & Plains Grass & Shrublands**: Disturbed ground, mechanical or overgrazing  
 Tall Grass Prairie: Disturbed ground, mechanical or overgrazing

*Camelina sativa* (L.) Crantz

Mesic Mountain Forest: Disturbed ground, mechanical or overgrazing

Xeric Mountain Forest: Disturbed ground, mechanical or overgrazing

Xeric Foothill &amp; Break Forests: Disturbed ground, mechanical or overgrazing

Mountain Grass &amp; Shrublands: Disturbed ground, mechanical or overgrazing

Xeric Mountain Grass &amp; Shrublands: Disturbed ground, mechanical or overgrazing

Xeric Footslopes, Breaks, &amp; Plains Grass &amp; Shrublands: Disturbed ground, mechanical or overgrazing

Tall Grass Prairie: **Disturbed** ground, mechanical or overgrazing*Campanula clatincs* L.

Habitat not determined.

*Campanula glomerata* Torr.

Habitat not determined.

*Campanula medium* L.

Habitat not determined.

*Campanula persicifolia* L.

Habitat not determined.

*Campanula rapunculoides* L.Mesic Mountain Forest: Disturbed **ground**, mechanical or overgrazing**Xeric** Mountain Forest: Disturbed ground, mechanical or overgrazing

Xeric Foothill &amp; Break Forests: Disturbed ground, mechanical or overgrazing

Mountain Grass &amp; Shrublands: Disturbed ground, mechanical or overgrazing

Xeric Mountain Grass &amp; Shrublands: Disturbed ground, mechanical or overgrazing

Xeric Footslopes, Breaks, & Plains Grass & Shrublands: Disturbed ground, mechanical or **overgrazing**

Tall Grass Prairie: Disturbed ground, mechanical or overgrazing

*Cadnabis sativa* L.Mesic Mountain Forest: **Present**

Xeric Mountain Forest: Present

Xeric Foothill &amp; Break Forests: Present

Mountain Grass &amp; Shrublands: Present

Xeric **Mountain** Grass & Shrublands: PresentTall Grass Prairie: **Present***Capsella bursa-pastoris* (L.) Medic.**Mesic Mountain** Forest: Disturbed ground, mechanical or overgrazingXeric **Mountain** Forest: Disturbed ground, mechanical or overgrazingXeric Foothill & Break Forests: Disturbed **ground, mechanical or** overgrazing

Mountain Grass &amp; Shrublands: Disturbed ground, mechanical or overgrazing

Xeric Mountain Grass &amp; Shrublands: Disturbed ground, mechanical or overgrazing

Xeric Footslopes, Breaks, &amp; Plains Grass &amp; Shrublands: Disturbed ground, mechanical or overgrazing

Tall Grass Prairie: Disturbed ground, mechanical or overgrazing

*Caragana arborescens* Lam.Mesic **Mountain** Forest: Disturbed ground, mechanical or **overgrazing**

Xeric Mountain Forest: Disturbed ground, mechanical or overgrazing

Xeric Foothill &amp; Break Forests: Disturbed ground, mechanical or overgrazing

Mountain Grass &amp; Shrublands: Disturbed ground, mechanical or overgrazing

**Xeric** Mountain Grass & Shrublands: WetlandXeric **Footslopes, Breaks, & Plains** Grass & Shrublands: WetlandTall Grass Prairie: **Disturbed** ground, mechanical or overgrazing*Caragana pygmaea* DC.

Habitat not determined.

*Cardaria chalapensis* (L.) Hand.Mesic **Mountain** Forest: Disturbed ground, mechanical or overgrazing

Xeric Mountain Forest: Disturbed ground, mechanical or overgrazing

Xeric Foothill &amp; Break Forests: Disturbed ground, mechanical or overgrazing

Mountain Grass & Shrublands: Disturbed **ground**, mechanical or overgrazing**Xeric** Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazingXeric Footslopes, Breaks, & Plains Grass & Shrublands: Disturbed ground, mechanical or **overgraz**

HABITAT INFORMATION FOR EXOTIC PLANT SPECIES OF THE COLUMBIA BASIN

**Cardaria draba** (L.) Desv.

**Mesic** Mountain Forest: Disturbed ground, mechanical or overgrazing  
Xeric Mountain Forest: Disturbed ground, mechanical or overgrazing  
Xeric Foothill & Break Forests: **Disturbed** ground, mechanical or overgrazing  
Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
Xeric Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
Xeric Fwtslopes, Breaks, & Plains Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
Tall Grass Prairie: Disturbed ground, mechanical or overgrazing

**Cardaria pubescens** (Meyer) Jarm.

**Mesic** Mountain Forest: Disturbed ground, mechanical or overgrazing  
Xeric Mountain Forest: Disturbed ground, mechanical or overgrazing  
Xeric **Foothill &** Break Forests: Disturbed ground, mechanical or overgrazing  
Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
Xeric Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
Xeric **Footslopes, Breaks, &** Plains Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
Tall Grass Prairie: Disturbed ground, mechanical or overgrazing

**Carduus acantoides** L.

**Mesic** Mountain Forest: Disturbed ground, mechanical or overgrazing  
**Xeric** Mountain Forest: Disturbed ground, mechanical or overgrazing  
Xeric Foothill & Break Forests: Disturbed **ground**, mechanical or overgrazing  
Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
Xeric Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
**Tall** Grass Prairie: Disturbed ground, mechanical or overgrazing

**Carduus crispus** L.

Tall Grass Prairie: Disturbed ground, mechanical or overgrazing

**Carduus nutans** L.

**Lower** Subalpine Forest: Disturbed ground, mechanical or overgrazing  
**Mesic** Mountain Forest: **Disturbed ground**, mechanical or overgrazing  
Xeric Mountain Forest: Disturbed ground, mechanical or overgrazing  
Xeric Foothill & Break Forests: Disturbed ground, mechanical or overgrazing  
Mountain Grass & Shrublands: **Disturbed** ground, mechanical or overgrazing  
Xeric Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
**Xeric** Fwtslopes, Breaks, & Plains Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
Tall Grass Prairie: Disturbed ground, mechanical or overgrazing

**Carduus pycnocephalus** L.

Habitat not determined.

**Carduus tenuiflorus** Curtis

Habitat not determined.

**Carpinus betulus** L.

Habitat not determined.

**Carthamus leucocaulos** L.

Habitat not determined.

**Carthamus tinctorius** L.

**Xeric footslopes, Breaks, &** Plains Grass & Shrublands: Disturbed ground, mechanical or overgrazing

**Carum carvi** L.

**Mesic** Mountain Forest: Disturbed ground, mechanical or overgrazing  
Xeric Mountain Forest: Disturbed ground, mechanical or overgrazing  
Xeric Foothill & Break Forests: Disturbed ground, mechanical or overgrazing  
Xeric Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
**Tall** Grass Prairie: Disturbed ground, mechanical or overgrazing

**Catalpa speciosa** Warder

Tall Grass Prairie: Present

**Celastrus orbiculata** Thunb.

Habitat not determined.

HABITAT INFORMATION FOR EXOTIC PLANT SPECIES OF THE COLUMBIA BASIN

278

**Cenchrus longispinus** (Hack.) Fern.  
**Xeric Mountain Forest:** Disturbed ground, mechanical or **overgrazing**  
**Xeric Foothill & Break Forests:** Disturbed ground, mechanical or overgrazing  
**Mountain Grass & Shrublands:** Disturbed ground, mechanical Or overgrazing  
**Xeric Mountain Grass & Shrublands:** Disturbed ground, mechanical or overgrazing  
**Xeric Footslopes, Breaks, & Plains Grass & Shrublands:** Disturbed ground, mechanical or **overgrazing**  
**Tall Grass Prairie:** Disturbed ground, mechanical or **overgrazing**

**Centaurea calcitrapa** L.  
 Habitat not determined.

**Centaurea cyanus** L.  
**Mesic Mountain Forest:** Disturbed ground, mechanical or **overgrazing**  
**Xeric Mountain Forest:** Disturbed ground, mechanical or **overgrazing**  
**Xeric Foothill & Break Forests:** Disturbed ground, mechanical or overgrazing  
**Xeric Mountain Grass & Shrublands:** Disturbed **ground, mechanical** or **overgrazing**  
**Tall Grass Prairie:** Disturbed ground, mechanical or Overgrazing

**Centaurea dealbata** Willd. Per.  
 Habitat not determined.

**Centaurea diffusa** Lam.  
**Mesic Mountain Forest:** Disturbed ground, mechanical or **overgrazing**  
**Xeric Mountain Forest:** Disturbed ground, mechanical or overgrazing  
**Xeric Foothill & Break Forests:** Disturbed ground, mechanical or overgrazing  
**Mountain Grass & Shrublands:** Disturbed ground, mechanical or **overgrazing**  
**Xeric Mountain Grass & Shrublands:** Disturbed ground, mechanical or overgrazing

**Centaurea iberica** Trevir ex K. Spreng.  
 Habitat not determined.

**Centaurea jacea** L.  
**Xeric Mountain Forest:** Disturbed ground, mechanical or Overgrazing.  
**Xeric Foothill & Break Forests:** Disturbed ground, mechanical or **overgrazing**  
**Xeric Mountain Grass & Shrublands:** Disturbed ground, mechanical or overgrazing

**Centaurea juncea** L.  
 Habitat not determined.

**Centaurea juncea x nigra** Unknown  
 Habitat not determined.

**Centaurea macrocephala** Pusbk. ex Willd.  
 Habitat not determined.

**Centaurea maculosa** Lam.  
**Lower Subalpine Forest:** Disturbed ground, mechanical or overgrazing  
**Mesic Mountain Forest:** Disturbed ground, mechanical or overgrazing  
**Xeric Mountain Forest:** Disturbed ground, mechanical or overgrazing  
**Xeric Foothill & Break Forests:** All **stages - western** forest  
**Mountain Grass & Shrublands:** Present  
**Xeric Mountain Grass & Shrublands:** **Present**  
**Xeric Footslopes, Breaks, & Plains Grass & Shrublands:** Present  
**Tall Grass Prairie:** Present

**Centaurea montana** L.  
**Mesic Mountain Forest:** Disturbed ground, mechanical or **overgrazing**  
**Xeric Mountain Forest:** Disturbed ground, **mechanical** or **overgrazing**  
**Xeric Foothill & Break Forests:** Disturbed ground, mechanical or overgrazing  
**Xeric Mountain Grass & Shrublands:** Disturbed ground, mechanical or **overgrazing**

**Centaurea nigra** L.  
**Mesic Mountain Forest:** Disturbed ground, mechanical or overgrazing  
**Xeric Mountain Forest:** Disturbed ground, mechanical or overgrazing  
**Xeric Foothill & Break Forests:** Disturbed ground, mechanical or overgrazing  
**Xeric Mountain Grass & Shrublands:** Disturbed ground, mechanical or overgrazing

**Centaurea nigrescens** Unknown  
 Habitat not determined.

HABITAT INFORMATION FOR EXOTIC PLANT SPECIES OF THE COLUMBIA BASIN

*Centauria pratensis* Thuill.

**Mesic** Mountain Forest: Disturbed ground, mechanical or overgrazing  
**Xeric** Mountain Forest: Disturbed ground, mechanical or overgrazing  
**Xeric Foothill & Break** Forests: Disturbed ground, mechanical or overgrazing  
**Xeric** Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing

*Centauria repens* L.

**Xeric** Mountain Forest: Disturbed ground, mechanical or overgrazing  
**Xeric Foothill & Break** Forests: Disturbed ground, mechanical or overgrazing  
**Mountain** Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
**Xeric** Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
**Xeric Footslopes, Breaks, & Plains** Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
Tall Grass Prairie: Disturbed ground, mechanical or overgrazing

*Centauria scabiosa* L.

**Xeric Footslopes, Breaks, & Plains** Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
Tall Grass Prairie: Disturbed ground, mechanical or overgrazing

*Centauria solstitialis* L.

**Xeric** Mountain Forest: Disturbed ground, mechanical or overgrazing  
**Xeric** Foothill & Break Forests: Disturbed ground, mechanical or overgrazing  
**Xeric** Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
Tall Grass Prairie: Disturbed ground, mechanical or overgrazing

*Centauria trichocephala* Bieb. ex Willd.

Habitat not determined.

*Centauria virgata* Lam.

Habitat not determined.

*Centaurium umbellatum* Gilib.

**Mesic** Mountain Forest: Disturbed ground, mechanical or overgrazing  
**Xeric** Mountain Forest: Disturbed ground, mechanical or overgrazing  
**Xeric Foothill & Break** Forests: Disturbed ground, mechanical or overgrazing  
**Mountain** Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
**Xeric** Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing

*Centranthus ruber* (L.) DC.

Habitat not determined.

*Cerastium dubium* (Bast.) O. Schwarz.

Habitat not determined.

*Cerastium siculum* Guss.

Habitat not determined.

*Cerastium tomentosum* L.

Habitat not determined.

*Cerastium viscosum* L.

**Mesic** Mountain Forest: Disturbed ground, mechanical or overgrazing  
**Xeric** Mountain Forest: Disturbed ground, mechanical or overgrazing  
**Xeric** Foothill & Break Forests: Disturbed ground, mechanical or overgrazing  
**Mountain** Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
**Xeric** Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing

*Cerastium vulgatum* L.

**Mesic** Mountain Forest: Disturbed ground, mechanical or overgrazing  
**Xeric** Mountain Forest: Disturbed ground, mechanical or overgrazing  
**Xeric** Foothill & Break Forests: Disturbed ground, mechanical or overgrazing  
**Mountain** Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
**Xeric** Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
**Xeric Footslopes, Breaks, & Plains** Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
Tall Grass Prairie: Disturbed ground, mechanical or overgrazing

*Chaenomeles japonica* (Thunb.) Lindl. ex Spach.

Habitat not determined.

## HABITAT INFORMATION FOR EXOTIC PLANT SPECIES OF THE COLUMBIA BASIN

*Chacorrhinum minus* (L.) Lange

Tall Grass **Prairie: Disturbed** ground, mechanical or overgrazing

*Chamaccyparis pisifera* (Sicbold. & Zucc.) Endl.

Habitat not determined.

*Chelidonium majus* L.

Xeric Mountain Forest: Disturbed ground, **mechanical or** overgrazing

Xeric Foothill & Break Forests: Disturbed ground, mechanical or overgrazing

Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing

Xeric Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing

*Chenopodium album* L.

**Mesic Mountain** Forest: Disturbed ground, mechanical or overgrazing

Xeric Mountain Forest: Disturbed ground, mechanical or overgrazing

Xeric Foothill & Break Forests: **Disturbed** ground, mechanical or overgrazing

Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing

Xeric Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing

Xeric Footslopes, Breaks, & Plains Grass & Shrublands: Disturbed ground, mechanical or overgrazing

Tall Grass Prairie: Disturbed ground, mechanical or overgrazing

*Chenopodium ambrosioides* L.

Habitat not determined.

*Chenopodium botrys* L.

**Mesic Mountain** Forest: Disturbed ground, **mechanical or** overgrazing

~~Xeric~~ Mountain Forest: Disturbed ground, mechanical or overgrazing

Xeric Foothill & Break Forests: Disturbed ground, mechanical or overgrazing

Mountain Grass & Shrublands: Disturbed **ground, mechanical** or overgrazing

Xeric Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing

Tall Grass Prairie: Disturbed ground, mechanical or overgrazing

*Chenopodium foliosum* (Moench) Asch.

Xeric Mountain Forest: Disturbed ground, mechanical or overgrazing

Xeric Foothill & Break Forests: Disturbed ground, mechanical or overgrazing

Xeric Mountain Grass & Shrublands: Disturbed ground, mechanical or **overgrazing**

*Chenopodium gigantospermum* Aellen

**Mesic Mountain** Forest: Disturbed ground, mechanical or overgrazing

Xeric Mountain Forest: Disturbed ground, mechanical or overgrazing

Xeric Foothill & Break Forests: Disturbed ground, mechanical or overgrazing

Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing

Xeric Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing

Xeric **Footslopes, Breaks, & Plains** Grass & Shrublands: Disturbed ground, mechanical or overgrazing

Tall Grass Prairie: Disturbed ground, mechanical or overgrazing

*Chenopodium glaucum* L.

Xeric Foothill & Break Forests: Alkaline or saline soils,

Mountain Grass & Shrublands: Alkaline or saline soils

**Xeric Mountain** Grass & Shrublands: Alkaline or saline soils

Xeric **Footslopes, Breaks, & Plains** Grass & Shrublands: Alkaline or saline soils

Tall Grass Prairie: Alkaline or saline soils

*Chenopodium murale* L.

**Mesic Mountain** Forest: Disturbed ground, mechanical **or overgrazing**

Xeric Mountain Forest: Disturbed ground, mechanical or overgrazing

Xeric Foothill & Break Forests: Disturbed ground, mechanical or overgrazing

Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing

**Xeric Mountain** Grass & Shrublands: Disturbed ground, mechanical or overgrazing

*Chondrilla juncea* L.

Habitat not determined.

*Chorispora tenella* (Pall.) DC.

Xeric Foothill & Break Forests: Disturbed ground, mechanical or overgrazing

**Xeric Mountain** Grass & Shrublands: Disturbed ground, mechanical or overgrazing

Xeric **Footslopes, Breaks, & Plains** Grass & Shrublands: Disturbed ground, mechanical or **overgrazing!**

Tall Grass Prairie: Disturbed ground, mechanical or **overgrazing**

HABITAT INFORMATION FOR EXOTIC PLANT SPECIES OF THE COLUMBIA BASIN

*Chrysanthemum balsamita* L.

Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
Xeric Mountain Grass & Shrublands Disturbed ground, mechanical or overgrazing  
Xeric **Footslopes, Breaks, & Plains Grass & Shrublands:** Disturbed ground, mechanical or overgrazing

*Chrysanthemum leucanthemum* L.

**Mesic** Mountain Forest: Disturbed ground, mechanical or overgrazing  
Xeric Mountain Forest: Disturbed ground, mechanical or overgrazing  
Xeric Foothill & Break Forests: Wetland  
**Mountain** Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
Xeric Mountain Grass & Shrublands: **Wetland**  
Xeric Footslopes, Breaks, & Plains Grass & Shrublands: Wetland  
Tall **Grass Prairie:** Disturbed ground, mechanical or overgrazing

*Chrysanthemum maximum* Ramond. not Hort.

Habitat **not determined.**

*Chrysanthemum parthenium* (L.) **Bernh.**

Habitat not determined.

*Cicer arictinum* L.

Habitat not determined.

*Cichorium endiva* L.

Habitat not determined.

*Cichorium intybus* L.

**Mesic Mountain** Forest: Disturbed ground, mechanical or overgrazing  
**Xeric** Mountain Forest: Disturbed ground, mechanical or overgrazing  
**Xeric** Foothill & Break Forests: Disturbed ground, mechanical or **overgrazing**  
Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
Xeric Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
Tall **Grass** Prairie: Disturbed ground, mechanical or overgrazing

*Cirsium arvense* (L.) **Scop.**

**Lower** Subalpine Forest: Disturbed ground, mechanical or overgrazing  
**Mesic Mountain Forest:** Disturbed ground, mechanical or overgrazing  
**Xeric** Mountain Forest: Disturbed ground, mechanical or overgrazing  
Xeric Foothill & Break Forests: Wetland  
Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
Xeric Mountain Grass & Shrublands: Wetland  
**Xeric** Footslopes, Breaks, & Plains Grass & Shrublands: Wetland  
Tall Grass Prairie: Disturbed ground, mechanical or **overgrazing**

*Cirsium vulgare* (Savi) **Tenore**

**Mesic** Mountain Forest: Disturbed ground: **mechanical or** overgrazing  
Xeric Mountain Forest: Disturbed ground, mechanical or overgrazing  
Xeric Foothill & Break Forests: Disturbed ground, mechanical or overgrazing  
Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
Xeric Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
Xeric **Footslopes, Breaks, & Plains Grass & Shrublands:** Disturbed ground, mechanical or overgrazing  
Tall Grass Prairie: Disturbed ground, mechanical or overgrazing

*Cistus salvifolius* L.

Habitat not determined.

*C. s. x hybridus* Pourr.

Habitat not determined.

*Clematis vitalba* L.

Habitat not determined.

*Clerodendrum thompsoniae* **Balf.**

Habitat not determined.

*Clerodendrum trichotomum* Thunb.

Habitat not determined.

## HABITAT INFORMATION FOR EXOTIC PLANT SPECIES OF THE COLUMBIA BASIN

*Cnicus benedictus* L.  
Habitat not determined.

***Commelina benghalensis*** L.  
Habitat not determined.

*Commelina communis* L.  
Tall Grass Prairie: Wetland

*Conium maculatum* L.  
**Mesic Mountain Forest:** Wetland  
Xeric Mountain Forest: Wetland  
Xeric Foothill & Break Forests: Wetland  
Xeric Mountain Grass & Shrublands: Wetland  
Xeric Foothills, Breaks, & Plains Grass & Shrublands: Wetland  
Tall Grass Prairie: Wetland

*Conringia orientalis* (L.) Dumort.  
Xeric Foothill & Break Forests: Disturbed ground, mechanical or overgrazing  
Xeric Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
Xeric Foothills, Breaks, & Plains Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
Tall Grass Prairie: Disturbed ground, mechanical or overgrazing.

***Convallaria majalis*** L.  
Habitat not determined.

*Convolvulus arvensis* L.  
**Mesic Mountain Forest:** Disturbed ground, mechanical or overgrazing  
Xeric Mountain Forest: Disturbed ground, mechanical or overgrazing  
Xeric Foothill & Break Forests: Disturbed ground, mechanical or overgrazing  
Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
Xeric Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
Xeric Foothills, Breaks, & Plains Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
Tall Grass Prairie: Disturbed ground, mechanical or overgrazing

*Convolvulus japonicus* Thunb.  
Xeric Foothill & Break Forests: Disturbed ground, mechanical or overgrazing  
Xeric Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing

***Coriandrum sativum*** L.  
Habitat not determined.

*Corispermum hyssopifolium* L.  
Xeric Mountain Forest: Disturbed ground, mechanical or overgrazing  
Xeric Foothill & Break Forests: Disturbed ground, mechanical or overgrazing  
Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
Xeric Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
Xeric Foothills, Breaks, & Plains Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
Tall Grass Prairie: Disturbed ground, mechanical or overgrazing

*Corispermum nitidum* Kit.  
Xeric Mountain Forest: Disturbed ground, mechanical or overgrazing  
Xeric Foothill & Break Forests: Disturbed ground, mechanical or overgrazing  
Xeric Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
Xeric Foothills, Breaks, & Plains Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
Tall Grass Prairie: Disturbed ground, mechanical or overgrazing

*Corispermum orientale* Lam.  
Xeric Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
Xeric Foothills, Breaks, & Plains Grass & Shrublands: Disturbed ground, mechanical or overgrazing

*Corispermum sibiricum* Iljin  
Tall Grass Prairie: Disturbed ground, mechanical or overgrazing

***Cornus mas*** L.  
Habitat not determined.

HABITAT INFORMATION FOR EXOTIC PLANT SPECIES OF THE COLUMBIA BASIN

- Coronilla varia* L.  
**Mesic Mountain Forest:** Disturbed ground, mechanical or overgrazing  
**Xeric Mountain Forest:** Disturbed ground, mechanical or **overgrazing**  
**Xeric Foothill & Break Forests:** Disturbed ground, mechanical or overgrazing  
**Mountain Grass & Shrublands:** Disturbed ground, mechanical or overgrazing  
**Xeric Mountain Grass & Shrublands:** Disturbed ground, mechanical or overgrazing  
**Tall Grass Prairie:** Disturbed ground, mechanical or overgrazing
- Corylus avellana* L.  
 Habitat not determined.
- Corylus colurna* L.  
 Habitat not determined.
- Cotinus coggygria* Scop.  
 Habitat not determined.
- Cotoneaster acutifolius* Turcz.  
 Habitat not determined.
- Cotoneaster bullatus* Bois.  
 Habitat not determined.
- Cotoneaster franchetti* Bois.  
 Habitat not determined.
- Cotoneaster lucidus* Schlechtend.  
 Habitat not determined.
- Cotoneaster tenuipes* Rehd. & E. H. Wils.  
 Habitat not determined.
- Cotoneaster tomentosus* (Ait.) Lindl.  
 Habitat not determined.
- Crataegus monogyna* Jacq.  
**Mesic Mountain Forest:** Disturbed **ground**, mechanical or overgrazing  
**Xeric Mountain Forest:** Disturbed ground, mechanical or overgrazing  
**Xeric Foothill & Break Forests:** Disturbed ground, mechanical or overgrazing  
**Mountain Grass & Shrublands:** In moist draws  
**Xeric Mountain Grass & Shrublands:** In moist draws
- Crataegus oxycantha* (Poir.) DC.  
 Habitat not determined.
- Crepis capillaris* (L.) Wallr.  
**Xeric Footslopes, Breaks, & Plains Grass & Shrublands:** Disturbed ground, mechanical or overgrazing  
**Tall Grass Prairie:** Disturbed **ground, mechanical** or overgrazing
- Crepis setosa* Haller f.  
 Habitat not determined.
- Crococsmia masoniorum* (L. Bolus.) N.E. Br.  
 Habitat not determined.
- Crococsmia pottsii* (Bak.) N.E. Br.  
 Habitat not determined.
- Crococsmia x crocosmiiflora* (V.Lemoine ex E. Morr) N.E. Br.  
 Habitat not determined.
- Crucianella angustifolia* L.  
**Xeric Foothill & Break Forests:** Disturbed ground, mechanical or overgrazing  
**Xeric Mountain Grass & Shrublands:** Disturbed ground, mechanical or overgrazing

*Crupina vulgaris* Cass.

**Mesic** Mountain Forest: Disturbed ground. **mechanical** or overgrazing  
 Xeric Mountain Forest: Disturbed ground. mechanical or overgrazing  
 Xeric Foothill & Break Forests: Disturbed ground. mechanical or overgrazing  
 Mountain Grass & Shrublands: Disturbed ground. mechanical or overgrazing  
 Xeric Mountain Grass & Shrublands: Disturbed ground. mechanical or overgrazing

*Crypsis alopecuroides* (Piller & Mitterp.) Schrader

Xeric Mountain **Forest**: Disturbed ground. mechanical or overgrazing  
 Xeric Foothill & Break Forests: Disturbed ground. mechanical or overgrazing  
 Mountain **Grass & Shrublands**: Disturbed ground. mechanical or overgrazing  
 Xeric Mountain Grass & Shrublands: Disturbed ground. mechanical or **overgrazing**  
 Xeric Foothills, Breaks, & Plains Grass & Shrublands: Disturbed ground. mechanical or overgrazing

*Cryptomeria japonica* (L.F.) D. Don.

Habitat not determined.

*Cucumis anguria* L.

Habitat not determined.

*Cunninghamia lanccolata* (Lamb.) Hook.

Habitat not determined.

*Cuphea hyssopifolia* HBK.

Habitat not determined.

*Cupressus sempervirens* L.

Habitat not determined.

*Cuscuta approximata* Bab.

Xeric Mountain Forest: Disturbed ground. **mechanical** or overgrazing  
**Xeric Foothill & Break Forests**: Disturbed **ground**, mechanical or overgrazing  
**Mountain Grass & Shrublands**: Disturbed ground. mechanical or overgrazing  
 Xeric **Mountain Grass & Shrublands**: Disturbed ground. mechanical or overgrazing  
 Xeric **Foothills, Breaks, & Plains Grass & Shrublands**: Disturbed ground. mechanical or overgrazing

*Cuscuta epithimum* Murr.

Xeric Mountain Forest: Present  
 Xeric Foothill & Break Forests: **Present**  
 Mountain Grass & Shrublands: **Present**  
 Xeric Mountain Grass & Shrublands: Present  
 Xeric **Foothills, Breaks, & Plains Grass & Shrublands**: Present  
 Tall Grass Prairie: Present

*Cuscuta planiflora* Tenore

**Xeric Foothills, Breaks, & Plains Grass & Shrublands**: Disturbed **ground**, mechanical or overgrazing  
 Tall Grass Prairie: Disturbed ground. mechanical or overgrazing

*Cuscuta* spp. L.

Habitat not determined.

*Cydonia sinensis* Thunb.

Habitat not determined.

*Cymbalaria muralis* E. Mey & Scherb.

Habitat not determined.

*Cynara cardunculus* L.

Habitat not determined.

*Cynara scolymus* L.

Habitat not determined.

*Cynodon dactylon* (L.) Pers.

Habitat not determined.

HABITAT INFORMATION FOR EXOTIC PLANT SPECIES OF THE COLUMBIA BASIN

*Cynoglossum officinale* L.

**Mesic** Mountain Forest: Disturbed ground, mechanical or overgrazing  
Xeric Mountain Forest: Disturbed ground, mechanical or overgrazing  
Xeric Foothill & Break Forests: Disturbed ground, mechanical or overgrazing  
**Mountain** Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
Xeric Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
Xeric **Footslopes, Breaks, & Plains** Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
Tall Grass Prairie: Disturbed ground, mechanical or overgrazing

*Cynosurus cristatus* L.

**Mesic** Mountain Forest: Disturbed ground, mechanical or overgrazing  
Xeric Mountain Forest: Disturbed **ground, mechanical or** overgrazing  
Xeric **Foothill & Break Forests:** Disturbed ground; mechanical **or** overgrazing  
Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
**Xeric** Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing

*Cyperus esculentus* L.

Tall Grass Prairie: Wetland

*Cytisus monspessulanus* L.

Habitat not determined.

*Cytisus multiflorus* (L'her. ex Ait.) Sweet.

Habitat not determined.

*Cytisus scoparius* (L.) Link

**Mesic** Mountain Forest: Disturbed ground, mechanical or overgrazing  
Xeric Mountain Forest: Disturbed ground, mechanical or overgrazing

*Dactylis glomerata* L.

**Mesic** Mountain Forest: Disturbed ground, mechanical or overgrazing  
**Xeric Mountain** Forest: Disturbed ground, mechanical or overgrazing  
Xeric **Foothill & Break** Forests: Disturbed ground, mechanical or overgrazing  
Mountain Grass & Shrublands: Disturbed ground, mechanical or **overgrazing**  
**Xeric** Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
**Xeric Footslopes, Breaks, & Plains** Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
Tall Grass Prairie: Disturbed ground, mechanical or overgrazing

*Daphne cacorum* L.

Habitat not determined.

*Daphne laureola* L.

Habitat not determined.

*Daphne mezereum* L.

Habitat not determined.

*Daphne x burkwoodii* Turill.

Habitat not determined.

*Daucus carota* L.

**Mesic** Mountain Forest: Disturbed ground, mechanical or overgrazing  
**Xeric** Mountain Forest: Disturbed ground, mechanical or overgrazing  
Xeric Foothill & Break **Forests:** Disturbed ground, mechanical or overgrazing  
Xeric Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
Tall Grass Prairie: Disturbed ground, mechanical or overgrazing

*Delphinium ajacis* L.

**Mesic** Mountain Forest: Disturbed ground, mechanical or overgrazing  
Xeric Mountain Forest: Disturbed ground, mechanical or overgrazing  
Xeric Foothill & Break Forests: Disturbed ground, mechanical or **overgrazing**  
Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
Xeric Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
Xeric **Footslopes, Breaks, & Plains** Grass & Shrublands: Disturbed **ground,** mechanical or overgrazing  
Tall Grass Prairie: Disturbed ground, mechanical or overgrazing

*Descurainia sophia* (L.) Webb

Mesic **Mountain** Forest: Disturbed ground, mechanical or overgrazing  
 Xeric Mountain Forest: Disturbed ground, mechanical or overgrazing  
 Xeric Foothill & Break Forests: Disturbed ground, mechanical or overgrazing  
**Mountain Grass & Shrublands:** Disturbed ground, **mechanical** or overgrazing  
**Xeric Mountain Grass & Shrublands:** Disturbed ground, mechanical or overgrazing  
 Xeric Foothills, Breaks, & Plains Grass & Shrublands: Disturbed ground, mechanical or **overgrazing**  
 Tall Grass Prairie: Disturbed ground, mechanical or overgrazing

*Deutzia scabra* Eastw.

Habitat not determined.

*Dianthus armeria* L.

**Mesic** Mountain Forest: Disturbed ground, mechanical or overgrazing  
 Xeric Mountain Forest: All stages - western forest  
 Xeric **Foothill & Break** Forests: All stages - **western forest**  
**Mountain Grass & Shrublands:** All stages - **western forest**

*Dianthus barbatus* L.

Mesic Mountain Forest: Disturbed ground, mechanical or overgrazing  
 Xeric **Mountain** Forest: Disturbed ground, mechanical or overgrazing

*Dianthus deltoides* L.

Mesic Mountain Forest: Disturbed ground, mechanical or **overgrazing**  
 Xeric Mountain Forest: Disturbed ground, mechanical or overgrazing

*Diet-villa loaicca* P. Mill

Tall Grass Prairie: Present

*Digitalis purpurea* L.

Mesic Mountain Forest: Disturbed ground, mechanical or overgrazing  
 Xeric Mountain Forest: Disturbed ground, mechanical or overgrazing

*Digitaria ischacum* (Schreb.) Schreb.

**Mesic** Mountain Forest: Disturbed ground, mechanical or overgrazing  
 Xeric Mountain Forest: Disturbed ground, mechanical or overgrazing  
 Xeric **Foothill & Break** Forests: Wetland  
**Mountain Grass & Shrublands:** Disturbed ground, **mechanical or** overgrazing  
 Xeric Mountain Grass & Shrublands: Wetland  
 Xeric Foothills, Breaks, & Plains Grass & Shrublands: Wetland  
 Tall Grass Prairie: Disturbed ground, mechanical or overgrazing

*Digitaria sanguinalis* (L.) Scop.

Mesic Mountain Forest: Disturbed ground, mechanical or overgrazing  
 Xeric Mountain Forest: Disturbed ground, mechanical or overgrazing  
 Xeric **Foothill & Break** Forests: Disturbed ground, mechanical or overgrazing  
**Mountain Grass & Shrublands:** Disturbed ground, mechanical or overgrazing  
 Xeric Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
**Xeric** Foothills, Breaks, & Plains Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
 Tall Grass Prairie: Disturbed ground, mechanical or overgrazing

*Dioscorea batatas* Decne.

Habitat not determined.

*Diplotaxis muralis* (L.) DC.

Mesic Mountain Forest: Disturbed ground, mechanical or overgrazing  
 Xeric Mountain Forest: Disturbed ground, mechanical or overgrazing  
 Xeric Foothill & Break Forests: Disturbed ground, mechanical or overgrazing  
**Mountain Grass & Shrublands:** Disturbed ground, mechanical or overgrazing  
 Xeric Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
 Tall Grass Prairie: Disturbed ground, mechanical or overgrazing

*Dipsacus fullonum* L.

Mesic **Mountain** Forest: Disturbed ground, mechanical or overgrazing  
 Xeric Mountain Forest: Disturbed ground, mechanical or overgrazing  
 Xeric **Foothill & Break Forests:** Disturbed ground, mechanical or overgrazing  
**Mountain Grass & Shrublands:** Disturbed ground, mechanical or overgrazing  
 Xeric Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
 Tall Grass Prairie: Disturbed ground, mechanical or overgrazing

HABITAT INFORMATION FOR EXOTIC PLANT SPECIES OF THE COLUMBIA BASIN

*Doronicum plantaginicum* L.  
Habitat not **determined**.

*Draba brachycarpa* Nutt.

Xeric Foothill & Break Forests: Disturbed ground, mechanical or overgrazing  
Xeric Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
Xeric Foothills, Breaks, & Plains Grass & Shrublands: Disturbed ground, mechanical or overgrazing

*Draba verna* L.

Xeric Mountain Forest: All **stages** - western forest  
Xeric Foothill & Break Forests: All **stages** - western forest  
Mountain Grass & Shrublands: Present  
Xeric Mountain Grass & Shrublands: Present

*Dracoccephalum thymiflorum* L.

Xeric Foothill & Break Forests: Disturbed ground, mechanical or **overgrazing**  
**Xeric** Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
Xeric Foothills, Breaks, & Plains Grass & Shrublands: Disturbed ground, **mechanical** or overgrazing  
Tall Grass Prairie: Disturbed ground, mechanical or overgrazing

*Dracunculus vulgaris* Schott.

Habitat not determined.

*Echinops exaltatus* Schrad.

Habitat not determined.

*Echinops ritro* L.

Habitat not determined.

*Echinops ruthenicus* M. Bieb.

Habitat not determined.

*Echinops sphacroccephalus* L.

Habitat not determined.

*Echium vulgare* L.

**Mesic** Mountain Forest: Disturbed ground, mechanical or overgrazing  
Xeric Mountain Forest: Disturbed ground, mechanical or overgrazing  
Xeric Foothill & Break Forests: Disturbed ground, mechanical or overgrazing  
**Mountain** Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
Xeric Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing

*Edwardii tedi climan*

Habitat not determined.

*Eichhornia azurea* (Swartz) Kunth.

Habitat not **determined**.

*Elacagnus angustifolia* L.

**Mesic** Mountain Forest: Wetland  
Xeric Mountain Forest: Wetland  
Xeric Foothill & Break Forests: Wetland  
Mountain Grass & Shrublands: Wetland  
Xeric Mountain Grass & Shrublands: Wetland  
Xeric Foothills, Breaks, & Plains Grass & Shrublands: Wetland  
Tall Grass Prairie: **Present**

*Elacagnus multiflora* Thunb.

Habitat not determined.

*Elacagnus umbellata* Thunb.

Habitat not determined.

*Elcocharis ovata* (Roth.) Roemer & Schultes

Habitat not **determined**.

*Elcusine indica* (L.) Gaertn.

Tall Grass Prairie: Disturbed ground, mechanical or overgrazing

HABITAT INFORMATION FOR EXOTIC PLANT SPECIES OF THE COLUMBIA BASIN

288

*Elodea densa* Casp. (**Planch**)

Habitat not determined.

*Elysholtzia ciliata* (Thunb.) Hyl.

Tall Grass Prairie: Disturbed ground, mechanical or overgrazing

*Elymus caput-medusae* L.

Xeric Mountain Grass & Shrublands: **Present**

*Elymus junceus* **Fisch.**

Xeric Foothills, Breaks, & Plains Grass & Shrublands: Present

Tall Grass Prairie: **Present**

*Elymus mollis* (Trin.) Hara.

Habitat not determined.

*Elymus. pungens* (**Pers.**) **Meldaris**

Habitat not determined.

*Elymus racemosa* Lam.

Habitat not determined.

*Epipactis helleborine* (L.) Crantz

**Xeric Mountain Forest:** Disturbed ground, mechanical or overgrazing

Xeric Foothill & Break Forests: Disturbed ground, mechanical or overgrazing

Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing

*Eragrostis cilianensis* (All.) Mosher

**Mesic Mountain Forest:** Disturbed ground, mechanical or overgrazing

Xeric Mountain Forest: Disturbed ground, mechanical or overgrazing

Xeric Foothill & Break Forests: Disturbed ground, mechanical or overgrazing

Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing

Xeric Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing

Xeric Foothills, Breaks, & Plains Grass & Shrublands: Disturbed ground, mechanical or overgrazing

Tall Grass Prairie: Disturbed ground, mechanical or overgrazing

*Eragrostis curvula* (Schrad.) **Nees.**

Habitat not determined.

*Eragrostis minor* Host

**Mesic Mountain Forest:** Disturbed ground, mechanical or overgrazing

Xeric Mountain Forest: Disturbed ground, mechanical or overgrazing

Xeric Foothill & Break Forests: Disturbed ground, mechanical or overgrazing

Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing

Xeric Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing

*Ercmurus x warci*

Habitat not determined.

*Erodium cicutarium* (L.) **L'Her.**

**Mesic Mountain Forest:** Disturbed ground, mechanical or overgrazing

Xeric Mountain Forest: Disturbed ground, mechanical or overgrazing

Xeric Foothill & Break Forests: Disturbed ground, mechanical or overgrazing

Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing

Xeric Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing

Xeric Foothills, Breaks, & Plains Grass & Shrublands: Disturbed ground, mechanical or overgrazing

Tall Grass Prairie: Disturbed ground, mechanical or overgrazing

HABITAT INFORMATION FOR EXOTIC PLANT SPECIES OF THE COLUMBIA BASIN

*Erodium moschatum* (L.) L'Her.

Habitat not determined.

*Eruca sativa* Gars.

Xeric Mountain Forest: Disturbed ground, mechanical or overgrazing  
Xeric Foothill & Break Forests: Disturbed ground, mechanical or overgrazing  
Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
Xeric Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
Tall Grass Prairie: Disturbed ground, mechanical or overgrazing

*Erucastrum gallicum* (Willd.) Schulz.

**Mesic** Mountain Forest: Disturbed ground, mechanical or overgrazing  
Xeric Mountain Forest: Disturbed ground, mechanical or overgrazing  
Xeric Foothill & Break Forests: Disturbed ground, mechanical or overgrazing  
Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
Xeric Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing.  
Xeric **Footslopes, Breaks, & Plains** Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
Tall Grass Prairie: Disturbed ground, mechanical or overgrazing

*Erysimum repandum* L.

Xeric Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
Xeric Footslopes, Breaks, & Plains Grass & Shrublands: Disturbed ground, mechanical or overgrazing

*Escallonia rubra* (Ruiz. & Pav.) Pers.

Habitat not determined.

*Euclidium syriacum* (L.) R. Br.

**Mesic** Mountain Forest: Disturbed ground, mechanical or overgrazing  
Xeric Mountain Forest: Disturbed ground, mechanical or overgrazing  
Xeric Foothill & Break Forests: Disturbed ground, mechanical or overgrazing  
Xeric Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing

*Euoaymus alata* (Thuab.) Siebold.

Habitat not determined.

*Euonymus europaea* L.

Habitat not determined.

*Euonymus fortunei* (Turcz.) Hand.-Mazz.

Habitat not determined.

*Euonymus nana* Bieb.

Habitat not determined.

*Euphorbia agraria* Bieb.

Xeric Mountain Grass & Shrublands: Disturbed ground, mechanical or **overgrazing**  
Xeric Footslopes, Breaks, & Plains Grass & Shrublands: Disturbed ground, mechanical or overgrazing

*Euphorbia cyparissias* L.

Xeric Mountain Forest: Disturbed ground, mechanical or overgrazing  
Xeric Foothill & Break Forests: Disturbed ground, mechanical or overgrazing  
Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
**Xeric** Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
Xeric Footslopes, Breaks, & **Plains** Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
Tall Grass Prairie: Disturbed ground, **mechanical** or overgrazing

*Euphorbia epichymoides* L.

Habitat not determined.

*Euphorbia esula* L.

**Mesic** Mountain Forest: Disturbed ground, mechanical or overgrazing  
Xeric Mountain Forest: Disturbed ground, mechanical or overgrazing  
Xeric Foothill & Break Forests: Disturbed ground, mechanical or overgrazing  
Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
Xeric Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
**Xeric** Footslopes, Breaks, & Plains Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
Tall Grass Prairie: Disturbed ground, mechanical or overgrazing

*Euphorbia helioscopia* L.

Xeric Mountain Forest: Disturbed ground, mechanical or overgrazing  
 Xeric **Foothill & Break** Forests: Disturbed ground, mechanical or overgrazing  
 Xeric Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
 Xeric Fwtslopes, Breaks. & Plains Grass & Shrublands: Disturbed ground, mechanical or overgrazing

*Euphorbia maculosa* L.

Habitat not determined.

*Euphorbia myrsinites* L.

Habitat not determined.

*Euphorbia peplus* L.

Xeric Mountain Forest: Disturbed ground, mechanical or overgrazing  
 Xeric Fwthill & Break Forests: Disturbed ground, mechanical or overgrazing  
 Mountain Grass & Shrublands: Disturbed **ground, mechanical** or Overgrazing  
 Xeric Mountain Grass & Shrublands: **Disturbed ground,** mechanical or overgrazing

*Euphorbia pulcherrima* Willd. ex Hotzsch.

Habitat not determined.

*Euphorbia x pseudovirgata* (Schur) Sw

Xeric Fwthill & Break Forests: Disturbed ground, mechanical or overgrazing  
 Xeric **Footslopes, Breaks, & Plains Grass & Shrublands:** Disturbed ground, mechanical or overgrazing  
 Tall Grass Prairie: Disturbed ground, mechanical or overgrazing

*Fagopyrum esculentum* Moench

Tall Grass Prairie: **Disturbed** ground, mechanical or overgrazing

*Fagus sylvatica* L.

Habitat not determined.

*Fatsia japonica* (Thunb.) Decne. & Planch.

Habitat not determined.

*Festuca arundinacea* Schreb.

**Mesic** Mountain Forest: Disturbed ground, mechanical or overgrazing  
**Xeric** Mountain Forest: Disturbed ground, mechanical or overgrazing  
 Xeric **Foothill & Break** Forests: Disturbed ground, mechanical or overgrazing  
 Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
 Tall Grass Prairie: Present

*Festuca bromoides* L.

Xeric Mountain Grass & Shrublands: Present

*Festuca pratensis* Huds.

**Mesic** Mountain Forest: Disturbed ground, mechanical or overgrazing  
**Xeric** Mountain Forest: Disturbed ground, mechanical or overgrazing  
**Xeric Foothill & Break** Forests: Disturbed ground, mechanical or overgrazing  
 Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
 Xeric Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
 Tall Grass Prairie: Disturbed ground, mechanical or overgrazing

*Festuca rubra* L.

**Mesic** Mountain Forest: Disturbed ground, mechanical or overgrazing  
**Xeric** Mountain Forest: Disturbed ground, mechanical or overgrazing  
 Xeric Foothill & Break Forests: Disturbed ground, mechanical or overgrazing  
 Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
 Xeric Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
 Xeric Fwtslopes, Breaks, & Plains Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
 Tall Grass Prairie: Disturbed ground, **mechanical or** overgrazing

*Filago arvensis* L.

**Mesic** Mountain Forest: Disturbed ground, mechanical or overgrazing  
**Xeric** Mountain Forest: Disturbed ground, mechanical or overgrazing  
 Xeric **Foothill & Break** Forests: Disturbed ground, mechanical or overgrazing  
 Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
 Xeric Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
 Xeric **Footslopes, Breaks, & Plains Grass & Shrublands:** Disturbed ground, mechanical or overgrazing

HABITAT INFORMATION FOR EXOTIC PLANT SPECIES OF THE COLUMBIA BASIN

*Filipendula vulgaris* Moench.

Habitat not determined.

*Foeniculum vulgare* Mill.

Habitat not determined.

*Forsythia suspensa* (Thunb.) Vahl.

Habitat not determined.

*Fritillaria imperialis* L.

Habitat not determined.

*Fumaria officinalis* L.

**Xeric** Foothill & Break Forests: Disturbed ground, mechanical or **overgrazing**

**Xeric** Mountain Grass & Shrublands: Disturbed ground, mechanical or **overgrazing**

**Xeric** Foothills, Breaks, & Plains Grass & Shrublands: Disturbed ground, mechanical or **overgrazing**

Tall Grass Prairie: Disturbed **ground, mechanical** or **overgrazing**

*Fumaria parviflora* Lam.

Habitat not determined.

*Galega officinalis* L.

Habitat not determined.

*Galeopsis tetrahit* L.

Lower Subalpine Forest: Disturbed ground, mechanical or **overgrazing**

**Mesic** Mountain Forest: Disturbed ground, mechanical or **overgrazing**

**Xeric** Mountain Forest: Disturbed **ground, mechanical** or **overgrazing**

**Xeric** Foothill & Break Forests: Disturbed ground, mechanical or **overgrazing**

Mountain Grass & Shrublands: Disturbed ground, mechanical or **overgrazing**

**Xeric** Mountain Grass & Shrublands: Disturbed ground, mechanical or **overgrazing**

Tall Grass Prairie: Disturbed ground, mechanical or **overgrazing**

*Galinsoga parviflora* Cav.

Tall Grass Prairie: Present

*Galinsoga quadriradiata* R. & P.

**Xeric** Mountain Grass & Shrublands: Disturbed ground, mechanical or **overgrazing**

Tall Grass Prairie: Disturbed ground, mechanical or **overgrazing**

*Galium humifusum* Bieb.

Habitat not determined.

*Galium mollugo* L.

**Mesic** Mountain Forest: Disturbed ground, mechanical or **overgrazing**

**Xeric** Mountain Forest: Disturbed ground, mechanical or **overgrazing**

**Xeric** Foothill & Break Forests: Disturbed ground, mechanical or **overgrazing**

*Galium palustre* L.

**Xeric** Mountain Forest: Wetland

**Xeric** Foothill & Break Forests: Wetland

Mountain Grass & Shrublands: Wetland.

**Xeric** Mountain Grass & Shrublands: Wetland

*Galium pedemontanum* (Bellardi) All.

Habitat not determined.

*Galium verum* L.

**Mesic** Mountain Forest: **Disturbed ground,** mechanical or **overgrazing**

**Xeric** Mountain Forest: Disturbed ground, mechanical or **overgrazing**

**Xeric** Foothill & Break Forests: Disturbed ground, mechanical or **overgrazing**

Mountain Grass & Shrublands: Disturbed ground, mechanical or **overgrazing**

**Xeric** Mountain Grass & Shrublands: Disturbed ground, mechanical or **overgrazing**

**Xeric** Foothills, Breaks, & Plains Grass & Shrublands: Disturbed ground, **mechanical** or **overgrazing**

Tall Grass Prairie: **Disturbed ground,** mechanical or **overgrazing**

*Geranium molle* L.

Mesic **Mountain** Forest: Present  
 Xeric Mountain Forest: Present  
 Xeric **Foothill &** Break Forests: Present  
 Mountain Grass **&** Shrublands: Present  
 Xeric **Mountain** Grass **&** Shrublands: Present

*Geranium pusillum* L.

**Mesic** Mountain Forest: Present  
 Xeric Mountain Forest: Present  
 Xeric Foothill **&** Break Forests: Present  
**&**Mountain Grass **&** Shrublands: Present  
 Xeric Mountain Grass **&** Shrublands: Present  
 Tall Grass Prairie: Present

*Geranium robertianum* L.

Xeric Foothill **&** Break Forests: Present  
 Xeric Mountain Grass **&** Shrublands: Present

*Geranium sanguineum* L.

Habitat not determined..

*Geum urbanum* L.

Habitat not determined.

*Ginkgo biloba* L.

Habitat not determined.

*Glaucium comiculatum* (L.) J.H. Rudolph

Xeric Mountain Grass **&** Shrublands: Present  
 Xeric Fwtslopes. Breaks. **&** Plains Grass **&** Shrublands: Present

*Glechoma hederacea* L.

**Mesic Mountain** Forest: Present  
 Xeric Mountain **Forest: Present**  
 Xeric Foothill **&** Break Forests: Present  
 Mountain Grass **&** Shrublands: **Present**  
 Xeric Mountain Grass **&** Shrublands: Present  
 Xeric Fwtslopes. Breaks. **&** Plains Grass **&** Shrublands: Present  
**Tall** Grass Prairie: Present

*Glyceria canadensis* (Michx.) Trin.

Habitat not determined.

*Gnaphalium uliginosum* L.

Mesic Mountain Forest: Disturbed ground, mechanical or overgrazing  
 Xeric Foothill **&** Break Forests: Disturbed ground, mechanical or overgrazing  
 Xeric Mountain Grass **&** Shrublands: Disturbed ground, mechanical or overgrazing  
 Xeric Fwtslopes. Breaks, **&** Plains Grass **&** Shrublands: Disturbed ground, mechanical or overgrazing

*Gypsophila acutifolia* Steven ex **K. Spreng.**

Habitat not determined.

*Gypsophila muralis* L.

**Mesic** Mountain Forest: Present  
 Xeric Foothill **&** Break Forests: Present  
 Xeric Mountain Grass **&** Shrublands: Present

*Gypsophila paniculata* L.

**Mesic** Mountain Forest: Present  
 Xeric Mountain Forest: Present  
 Xeric Foothill **&** Break Forests: Present  
 Mountain Grass **&** Shrublands: Present  
 Xeric Mountain Grass **&** Shrublands: Present  
 Xeric Fwtslopes, Breaks. **&** Plains Grass **&** Shrublands: Present  
 Tall Grass Prairie: Present

HABITAT INFORMATION FOR EXOTIC PLANT SPECIES OF THE COLUMBIA BASIN

*Halogcton glomeratus* Meyer.

Xeric **Foothill & Break** Forests: Present  
 Mountain Grass & Shrublands: Present  
 Xeric Mountain Grass & Shrublands: Present  
 Xeric Fwtslopes, Breaks. & Plains Grass & Shrublands: Present

*Hedera helix* L.

Habitat not determined.

*Helleborus niger* L.

Habitat not determined.

*Hemicrocallis fulva* L.

Mountain Grass & Shrublands: Present  
 Xeric Mountain Grass & Shrublands: Present  
 Tall Grass Prairie: Present

*Hcracleum mantegazzianum* Somm. & Levier

Habitat not determined.

*Herniaria cineria* DC.

Habitat not determined.

*Hesperis matronalis* L.

**Mesic** Mountain Forest: Present  
 Xeric Mountain Forest: Present  
 Xeric Foothill & Break Forests: Present  
 Mountain Grass & Shrublands: Present  
 Xeric Mountain Grass & Shrublands: Present  
 Xetic **Footslopes, Breaks; & Plains Grass & Shrublands:** Present  
 Tall Grass Prairie: Present

*Hibiscus rosa-sinensis* L.

Habitat not **determined.**

*Hibiscus syriacus* L.

Habitat not determined.

*Hibiscus trionum* L.

Xeric **Foothill & Break** Forests: Present  
 Xeric Fwtslopes, Breaks, & Plains Grass & **Shrublands:** Present  
 Tall Grass Prairie: Present

*Hieracium aurantiacum* L.

**Mesic** Mountain Forest: Present  
 Xeric Mountain Forest: Present

*Hicracium pilosella* L.

Habitat not determined.

*Hicracium piloselloides* Vill.

**Mesic** Mountain Forest: Present

*Hieracium pratense* L.

Habitat not determined.

*Holcus lanatus* L.

Xeric Mountain Forest: All stages - western **forest**  
 Xeric **Foothill & Break** Forests: All stages - **western forest**  
 Mountain Grass & Shrublands: Present  
 Xeric Mountain Grass & Shrublands: **Present**

*Holcus mollis* L.

Habitat not determined.

*Holosteum umbellatum* L.

Xeric Mountain Forest: Present  
 Xeric **Foothill & Break** Forests: **Present**  
 Mountain Grass & Shrublands: Present  
 Xeric Mountain Grass & Shrublands: Present

*Hordeum distichon* L.

Habitat not determined.

*Hordeum geniculatum* All.

**Mesic** Mountain Forest: Disturbed ground, mechanical or overgrazing

**Xeric** Mountain Forest: Disturbed ground, mechanical or overgrazing

Xeric Foothill & Break Forests: Disturbed ground, mechanical or overgrazing

Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing

Xeric Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing

Xeric Foothills, Breaks, & Plains Grass & Shrublands: Disturbed ground, mechanical or overgrazing

*Hordeum leporinum* Link

Xeric Foothill & Break Forests: Disturbed ground, mechanical or overgrazing

Xeric Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing

*Hordeum murinum* L.

**Mesic** Mountain Forest: Disturbed ground, mechanical or overgrazing

Xeric Mountain Forest: Disturbed ground, mechanical or overgrazing

*Hordeum vulgare* L.

Xeric Foothill & Break Forests: Disturbed ground, mechanical or overgrazing

Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing

Xeric Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing

Xeric **Foothills, Breaks, & Plains Grass & Shrublands**: Disturbed ground, mechanical or overgrazing

Tall Grass Prairie: Disturbed ground, mechanical or overgrazing

*Hygrophila polysperma* (Roxb.) T. Anderson

Habitat not determined.

*Hyoscyamus niger* L.

**Mesic** Mountain Forest: Present

Xeric Mountain Forest: Present

Xeric Foothill & Break Forests: Present

Mountain Grass & Shrublands: Present

Xeric Mountain Grass & Shrublands: Present

Xeric **Foothills, Breaks, & Plains Grass & Shrublands**: Present

Tall Grass Prairie: Present

*Hypericum adrosaemum* L.

Habitat not determined.

*Hypericum perforatum* L.

**Mesic** Mountain Forest: Present

Xeric Mountain Forest: Present

Xeric Foothill & Break Forests: Present

**Mountain Grass & Shrublands: Present**

Xeric Mountain Grass & Shrublands: Present

Xeric **Foothills, Breaks, & Plains Grass & Shrublands: Present**

Tall Grass Prairie: Present

*Hypochaeris radicata* L.

**Mesic** Mountain Forest: Present

Xeric Mountain Forest: Present

Xeric Foothill & Break Forests: Present

Xeric Mountain Grass & Shrublands: Present

*Hyssopus officinalis* L.

**Mesic** Mountain Forest: Present

Xeric Mountain Forest: Present

Xeric Foothill & Break Forests: Present

Mountain Grass & Shrublands: Present

Xeric Mountain Grass & Shrublands: Present

*Iberis amara* L.

**Mesic** Mountain Forest: Present

*Iberis umbellata* L.

Habitat not determined.

HABITAT INFORMATION FOR EXOTIC PLANT SPECIES OF THE COLUMBIA BASIN

*Ilex aquifolium* L.

Habitat not determined.

*Impatiens glandulifera* Royle

Habitat not determined.

*Impatiens ooli-tangere* L.

Habitat not determined.

*Imperata brasiliensis* Trin

Habitat not determined.

*Ipomoea aquatica* Forssk. --

Habitat not determined.

*Ipomoea purpurea* (L.) Roth

Tall Grass Prairie: **Present**

*Iris pseudacorus* L.

**Mesic** Mountain Forest: Present

Xeric Mountain Forest: Present

Xeric **Foothill & Break** Forests: Present

Mountain Grass **& Shrublands**: Present

Xeric Mountain Grass **& Shrublands**: Present

*Isatis tiocoria* L.

Mountain Grass **& Shrublands**: **Present**

**Xeric** Mountain Grass **& Shrublands**: Present

*Ischaemum rugosum* Salisb.

Habitat not determined.

*Jasione montana* L.

Habitat not determined.

*Juglans ailanthifolia* Carriere

Habitat not determined.

*Juncus compressus* Jacq.

Xeric Mountain Forest: Wetland

**Mountain** Grass **& Shrublands**: Wetland

Xeric Mountain Grass **& Shrublands**: Wetland

Xeric **Footslopes, Breaks, & Plains** Grass **& Shrublands**: Wetland

*Juocum plaoifolium* R. Br.

Habitat not determined.

*Kerria japonica* (L.) DC.

Habitat not determined.

*Kickxia elatine* (L.) Dumort.

Habitat not determined.

*Kickxia spuria* (L.) Dumort.

Habitat not determined.

*Koautia arvensis* (L.) Coult.

**Mesic** Mountain Forest: Present

Xeric Mountain Forest: Present

Xeric **Foothill & Break** Forests: Present

Mountain Grass **& Shrublands**: Present

Xeric Mountain Grass **& Shrublands**: Present

**Xeric** Footslopes, Breaks, **& Plains** Grass **& Shrublands**: **Present**

Tall Grass Prairie: Present

HABITAT INFORMATION FOR EXOTIC PLANT SPECIES OF THE COLUMBIA BASIN

Kochia scoparia (L.) Schrad.  
Mesic Mountain Forest: Present  
Xeric Mountain Forest: Present  
Xeric Foothill & Break Forests: Present  
Mountain Grass & Shrublands: Present  
Xeric Mountain Grass & Shrublands: Present  
Xeric Foothills, Breaks, & Plains Grass & Shrublands: Present  
Tall Grass Prairie: Present

Koeleruteria pauciculata Laxm.  
Habitat not determined.

Kolkwitzia amabilis Graebn.  
Habitat not determined.

Laburnum anagyroides Medic.  
Habitat not determined.

Laburnum x watcrei (Kirchen.) Dipp.  
Habitat not determined.

Lactuca saligna L.  
Habitat not determined.

Lactuca scariola L.  
Mesic Mouoraio Forest: Present  
Xeric Mountain Forest: Present  
Xeric Foothill & Break Forests: Present  
Mountain Grass & Shrublands: Present  
Xeric Mountain Grass & Shrublands: Present  
Xeric Foothills, Breaks, & Plains Grass & Shrublands: Present  
Tall Grass Prairie: Present

Lagarosiphon major (Ridley) Moss.  
Habitat not determined.

Lamium amplexicaule L.  
Mesic Mountain Forest: Present  
Xeric Mountain Forest: Present  
Xeric Foothill & Break Forests: Present  
Mountain Grass & Shrublands: Present  
Xeric Mountain Grass & Shrublands: Present  
Xeric Foothills, Breaks, & Plains Grass & Shrublands: Present  
Tall Grass Prairie: Present

Lamium hybridum Vill.  
Habitat not determined.

Lamium maculatum L.  
Habitat not determined.

Lamium purpureum L.  
Mesic Mountain Forest: Present  
Xeric Mountain Forest: Present  
Xeric Foothill & Break Forests: Present  
Mountain Grass & Shrublands: Present  
Xeric Mountain Grass & Shrublands: Present

Lappula cchinata Gilib.  
Xeric Mountain Forest: Present  
Xeric Foothill & Break Forests: Present  
Mountain Grass & Shrublands: Present  
Xeric Mountain Grass & Shrublands: Present  
Xeric Foothills, Breaks, & Plains Grass & Shrublands: Present  
Tall Grass Prairie: Present

HABITAT INFORMATION FOR EXOTIC PLANT SPECIES OF THE COLUMBIA BASIN

*Lapsana communis* L.

Mesic Mountain Forest: Present  
Xeric Mountain Forest: Present  
Xeric Foothill & Break Forests: Present  
Xeric Mountain Grass & Shrublands: Present  
Tall Grass Prairie: Present

*Lathyrus latifolius* L.

Lower Subalpine Forest: Present  
Mesic Mountain Forest: Present  
Xeric Mountain Forest: Present  
Xeric Foothill & Break Forests: Present  
Tall Grass Prairie: Present

*Lathyrus pratensis* L.

Habitat not determined.

*Lathyrus sphaericus* Retz.

Habitat not determined.

*Lathyrus sylvestris* L.

Mesic Mountain Forest: Present  
Xeric Mountain Forest: Present  
Xeric Foothill & Break Forests: Present  
Mountain Grass & Shrublands: Present  
Xeric Mountain Grass & Shrublands: Present

*Lathyrus tuberosus* L.

Xeric Mountain Forest: Present  
Xeric Foothill & Break Forests: Present  
Mountain Grass & Shrublands: Present  
Xeric Mountain Grass & Shrublands: Present  
Xeric **Footslopes, Breaks, & Plains** Grass & Shrublands: Present

*Lavatera arborca* L.

Habitat not determined.

*Leontodon autumnalis* L.

Habitat not determined.

*Leontodon nudicaulis* (L.) Murr.

Habitat not determined.

*Leonurus cardiaca* L.

Xeric Mountain Forest: Present  
Xeric **Foothill & Break Forests**: Present  
Mountain Grass & **Shrublands**: Present  
Xeric Mountain Grass & **Shrublands**: Present  
Xeric **Footslopes, Breaks, & Plains** Grass & Shrublands: Present  
Tall Grass Prairie: Present

*Lepidium campestris* (L.) R. Br.

**Mesic** Mountain Forest: Present  
Xeric Mountain Forest: Present  
Xeric Foothill & Break Forests: **Present**  
Mountain Grass & Shrublands: Present  
Xeric Mountain Grass & Shrublands: Present  
Xeric **Footslopes, Breaks, & Plains** Grass & Shrublands: Present

*Lepidium latifolium* L.

Xeric Mountain Forest: Present  
Xeric Foothill & Break Forests: Present  
Mountain Grass & Shrublands: Present  
Xeric Mountain Grass & Shrublands: Present

*Lepidium perfoliatum* L.

**Mesic** Mountain Forest: Present  
 Xeric Mountain Forest: Present  
 Xeric Foothill & Break Forests: Present  
 Mountain Grass & Shrublands: Present  
 Xeric Mountain Grass & Shrublands: Present  
 Xeric Fwtslopes, Breaks, & Plains Grass & Shrublands: Present  
 Tall Grass Prairie: Present

*Lepidium ruderale* L.

Habitat not determined.

*Lepidium sativum* L.

**Mesic** Mountain Forest: Present  
 Xeric Mountain Forest: Present  
 Xeric Foothill & Break Forests: Present  
 Mountain Grass & Shrublands: Present  
 Xeric Mountain Grass & Shrublands: Present

*Leptochloa chinensis* (L.) Nees.

Habitat not determined.

*Ligustrum amurense* Carriere

Habitat not determined.

*Ligustrum indicum* (Lour.) Merrill

Habitat not determined.

*Ligustrum japonicum* Thunb.

Habitat not determined.

*Ligustrum sinense* Lour.

Habitat not determined.

*Ligustrum vulgare* L.

Habitat not determined.

*Limoophila sessiliflora* Blumc.

Habitat not determined.

*Lioaria dalmatica* (L.) Mill.

**Mesic** Mountain Forest: Present  
 Xeric Mountain Forest: Present  
 Xeric Foothill & Break Forests: Present  
 Mountain Grass & Shrublands: Present  
 Xeric Mountain Grass & Shrublands: Present  
 Xeric Fwtslopes, Breaks, & Plains Grass & Shrublands: Present  
 Tall Grass Prairie: Present

*Lioaria vulgaris* Hill

Lower Subalpine Forest: Present  
**Mesic** Mountain Forest: Present  
 Xeric Mountain Forest: Present  
 Xeric Foothill & Break Forests: Present  
 Mountain Grass & Shrublands: Present  
 Xeric Mountain Grass & Shrublands: Present  
 Xeric Fwtslopes, Breaks, & Plains Grass & Shrublands: Present  
 Tall Grass Prairie: Present

*Lioum bienne* Mill.

Habitat not determined.

*Lioum usitacissimum* L.

Xeric **Mountain** Forest: Present  
 Xeric **Foothill & Break** Forests: Present  
 Mountain Grass & Shrublands: Present  
 Xeric **Mountain** Grass & Shrublands: Present  
 Xeric Fwtslopes, Breaks, & Plains Grass & Shrublands: Present  
 Tall Grass Prairie: Present

HABITAT INFORMATION FOR EXOTIC PLANT SPECIES OF THE COLUMBIA BASIN . .

*Lithospermum arvense* L.

Xeric Mountain Forest: **Disturbed** ground, mechanical or overgrazing  
**Xeric** Fwthill & Break Forests: Disturbed ground, mechanical or overgrazing  
Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
Xeric **Mountain** Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
Xeric **Footslopes**, Breaks, & Plains Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
Tall Grass **Prairie**: **Disturbed** ground, mechanical or overgrazing

*Lobularia maritima* (L.) Desv.

Xeric Mountain Grass & Shrublands: Present

*Lolium multiflorum* Lam.

**Mesic** Mountain Forest: Disturbed ground, mechanical or overgrazing  
Xeric Mountain Forest: Disturbed ground, mechanical or overgrazing  
Xeric **Foothill** & Break Forests: Disturbed ground, mechanical or overgrazing  
**Mountain** Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
**Xeric** Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing

*Lolium perenne* L.

**Mesic** Mountain Forest: Disturbed ground, mechanical or overgrazing  
**Xeric** Mountain Forest: Disturbed ground, mechanical or overgrazing  
Xeric Fwthill & Break Forests: Disturbed ground, mechanical or overgrazing  
Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
Xeric Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
Tall Grass **Prairie**: Disturbed ground, mechanical or overgrazing

*Lolium persicum* Boiss. & Hohenack

Xeric Mountain Forest: Disturbed ground, mechanical or overgrazing  
**Xeric Foothill** & Break Forests: Disturbed ground, mechanical or overgrazing  
**Mountain** Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
Xeric Mountain Grass & **Shrublands**: Disturbed ground, mechanical or overgrazing  
Xeric Fwtslopes, Breaks, & Plains Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
Tall Grass **Prairie**: Disturbed ground, mechanical or overgrazing

*Lolium temulentum* L.

**Mesic** Mountain **Forest**: Disturbed ground, mechanical or overgrazing  
Xeric Mountain Forest: Disturbed ground, mechanical or overgrazing  
Xeric Fwthill & Break Forests: Disturbed ground, mechanical or overgrazing  
Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
Xeric Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
**Xeric** Fwtslopes, Breaks, & Plains Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
Tall Grass **Prairie**: Disturbed ground, mechanical or overgrazing

*Lonicera etrusca* Santi.

Habitat not determined.

*Lonicera oitida* E.H. Wils.

Habitat not determined.

*Lonicera periclymenum* L.

Habitat not determined.

*Lonicera tartarica* L.

Habitat not determined.

*Lonicera tatarica* L.

Xeric Mountain Forest: Wetland  
Xeric Foothill & Break Forests: Wetland  
**Mountain** Grass & Shrublands: Wetland  
Xeric Mountain Grass & Shrublands: Wetland  
Xeric **Footslopes**, Breaks, & Plains Grass & **Shrublands**: Wetland  
Tall Grass **Prairie**: Present

HABITAT INFORMATION FOR EXOTIC PLANT SPECIES OF THE COLUMBIA BASIN

300

*Lotus corniculatus* L.

- Mesic Mountain Forest:** Present
- Xeric **Mountain Forest:** Present
- Xeric Foothill & Break Forests: Present
- Mountain Grass & Shrublands: Present
- Xeric Mountain Grass & Shrublands: Present
- Xeric Footslopes, Breaks, & Plains Grass & Shrublands:** Present
- Tall Grass Prairie: Present

*Lotus pedunculatus* Cav.

Habitat not determined.

*Lotus tetragonolobus* L.

Habitat not determined.

*Ludwigia palustris* (L.) Eiiott

Habitat not determined.

*Lunaria annua* L.

Habitat not determined.

*Lychnis alba* Mill.

- Xeric Mountain Forest: Present
- Xeric Foothill & Break Forests: Present
- Mountain Grass & Shrublands: Present
- Xeric Mountain Grass & Shrublands: Present
- Xeric Footslopes, Breaks, & Plains Grass & Shrublands:** Present
- Tall Grass Prairie: Present

*Lychnis chalconica* L.

Tall Grass Prairie: Present

*Lychnis coronaria* (L.) Desr.

- Xeric Mountain Forest: Present
- Mountain Grass & Shrublands: Present
- Xeric Mountain Grass & Shrublands: Present

*Lychnis dioica* (L.) Clairv.

Habitat not determined.

*Lychnis flos-cuculi* L.

- Xeric Mountain Forest: Present
- Xeric Foothill & Break Forests: Present
- Mountain Grass & Shrublands: Present
- Xeric Mountain Grass & Shrublands: Present

*Lychnis x arkwrightii* Heydt.

Habitat not determined!

*Lycium halimifolium* Mill.

- Mesic Mountain Forest:** Disturbed ground, mechanical or overgrazing
- Xeric Mountain Forest: Disturbed ground, mechanical or overgrazing
- Xeric Foothill & Break Forests: Wetland
- Mountain Grass & Shrublands: Wetland
- Xeric Mountain Grass & Shrublands: Wetland
- Xeric Footslopes, Breaks, & Plains Grass & Shrublands: Wetland
- Tall Grass Prairie: Present

*Lycopersicon lycopersicum* (L.) Karst ex Farw.

Habitat not determined.

*Lysimachia clethroides* Duby.

Habitat not determined.

*Lysimachia punctata* L.

Habitat not determined.

HABITAT INFORMATION FOR EXOTIC PLANT SPECIES OF THE COLUMBIA BASIN

*Lysimachia terrestris* (L.) B.S.P.  
**Mesic Mountain Forest:** Present  
Xeric **Mountain Forest:** Present

*Lysimachia vulgaris* L.  
Habitat not determined.

*Lythrum hyssopifolium* L.  
Habitat not determined.

*Lythrum salicaria* L.  
**Mesic Mountain Forest:** Present  
Xeric Mountain Forest: Present  
Mountain Foothill & Break Forests: Present  
Mountain Grass & Shrublands: Present  
Xeric Mountain Grass & Shrublands: Present  
Xeric **Footslopes, Breaks, & Plains Grass & Shrublands:** Present  
Tall Grass Prairie: Present

*Lythrum virgatum* L.  
Habitat not determined.

*Maclura pomifera* (Raf.) C.K. Schncid.  
Habitat not determined.

*Malcolmia africana* (L.) R. Br.  
Xeric Mountain Grass & Shrublands: Present

*Malus floribunda* Siebold ex **VanHoutte.**  
Habitat not determined.

*Malva moschata* L.  
Mesic Mountain Forest: Present  
Xeric Mountain Forest: **Present**  
Xeric Foothill & Break Forests: Present  
**Mountain Grass & Shrublands:** Present  
Xeric Mountain Grass & Shrublands: Present

*Malva neglecta* Wallr.  
**Mesic Mountain Forest:** Present  
Xeric Mountain Forest: Present  
Xeric Foothill & Break Forests: **Present**  
**Mountain Grass & Shrublands:** Present  
Xeric Mountain Grass & Shrublands: Present  
Tall Grass **Prairie: Present**

*Malva pawiflora* L.  
Mesic Mountain Forest: Present  
Xeric Mountain Forest: Present  
Xeric Foothill & Break Forests: Present  
Mountain Grass & Shrublands: Present  
Xeric Mountain Grass & Shrublands: Present  
Xeric Footslopes, Breaks, & Plains Grass & Shrublands: Present.  
Tall Grass Prairie: Present

*Malva rotundifolia* L.  
Mesic Mountain Forest: Present  
Xeric Mountain Forest: Present  
Xeric Foothill & Break Forests: Present  
Mountain Grass & Shrublands: Present  
Xeric Mountain Grass & Shrublands: Present  
Xeric Footslopes, Breaks, & Plains Grass & Shrublands: Present  
Tall Grass **Prairie:** Present

*Malva sylvestris* L.  
**Xeric Foothill & Break Forests:** Present  
Xeric Mountain Grass & Shrublands: Present  
Xeric Footslopes, Breaks, & Plains Grass & Shrublands: Present  
Tall Grass Prairie: **Present**

HABITAT INFORMATION FOR EXOTIC PLANT SPECIES OF THE COLUMBIA BASIN

**Malva verticillata** L.  
Xeric Foothill & Break Forests: Present  
Xeric Foothills, Breaks, & Plains Grass & Shrublands: Present  
Tall Grass Prairie: Present

**Marrubium vulgare** L.  
**Mesic** Mountain Forest: **Present**  
Xeric Mountain Forest: Present  
Xeric Foothill & Break Forests: Present  
**Mountain** Grass & Shrublands: Present  
Xeric Mountain Grass & Shrublands: Present  
Tall Grass Prairie: Present

**Matricaria chamomilla** L.  
Xeric Foothills, Breaks, & Plains Grass & Shrublands: Present  
Tall Grass Prairie: Present

**Matricaria maritima** L.  
Mesic Mountain Forest: Present  
Xeric Mountain Forest: Present  
Xeric Foothill & Break Forests: Present  
Mountain Grass & Shrublands: Present  
Xeric Mountain Grass & Shrublands: Present  
Xeric Foothills, Breaks, & Plains Grass & Shrublands: Present  
Tall Grass Prairie: **Present**

**Matricaria matricarioides (Less.)** Porter  
**Mesic** Mountain Forest: Present  
Xeric Mountain Forest: **Present**  
Xeric Foothill & Break Forests: Present  
Mountain Grass & Shrublands: **Present**  
Xeric Mountain Grass & Shrublands: Present  
Xeric Foothills, Breaks, & Plains Grass & Shrublands: Present  
Tall Grass Prairie: Present

**Medicago falcata** L.  
Xeric Mountain Grass & Shrublands: Present

**Medicago hispida** Gaertn.  
**Mesic** Mountain Forest: Present  
Xeric Mountain Forest: Present  
Xeric **Foothill & Break Forests**: Present  
Mountain Grass & Shrublands: **Present**  
Xeric Mountain Grass & Shrublands: Present

**Medicago lupulina** L.  
**Mesic Mountain** Forest: Present  
Xeric Mountain Forest: Present  
Xeric Foothill & Break Forests: Present  
Mountain Grass & Shrublands: Present  
Xeric Mountain Grass & Shrublands: Present  
Xeric Foothills, Breaks, & Plains Grass & Shrublands: Present  
Tall Grass Prairie: Present

**Medicago sativa** L.  
Mesic Mountain Forest: Present  
Xeric Mountain Forest: Present  
Xeric Foothill & Break Forests: Present  
Mountain Grass & Shrublands: Present  
Xeric Mountain Grass & Shrublands: Present  
**Xeric** Foothills, Breaks, & Plains Grass & Shrublands: Present  
Tall Grass Prairie: Present

**Medicago arabica** (L.) Hudson  
Habitat not determined.

**Melastoma malabathricum** L.  
Habitat not determined.

HABITAT INFORMATION FOR EXOTIC PLANT SPECIES OF THE COLUMBIA BASIN

*Mclilotus alba* **Medic.**

**Mesic** Mountain Forest: Present  
Xeric Mountain Forest: Present  
Xeric Foothill & Break Forests: Present  
Mountain Grass & Shrublands: Present  
Xeric **Mountain** Grass & Shrublands: Present  
Xeric Fwtslopcs, Breaks, & Plains Grass & Shrublands: Present  
Tall Grass Prairie: Present

*Mclilotus indica* All.

Xeric Mountain Forest: Present  
Xeric Foothill & Break Forests: Present  
Mountain Grass & Shrublands: Present  
Xeric Mountain Grass & Shrublands: Present

*Mclilotus officinalis* (L.) Pall.

**Mesic** Mountain Forest: Present  
Xeric Mountain Forest: Present  
Xeric **Foothill & Break** Forests: Present  
Mountain Grass & Shrublands: **Present**  
Xeric Mountain Grass & Shrublands: Present  
**Xeric** Fwtslopcs, Breaks, & Plains Grass & Shrublands: Present  
Tall Grass Prairie: Present

*Melissa officinalis* L.

Habitat not determined.

*Mentha pulegium* L.

Habitat not determined.

*Mentha spicata* L.

**Mesic** Mountain Forest: Present  
Xeric Mountain Forest: Present  
Xeric Foothill & Break Forests: Present  
Mountain Grass & Shrublands: Present  
Xeric Mountain Grass & Shrublands: Present

*Mentha suaveolens* J.F. Ehrh.

Habitat not determined.

*Mentha x pipcrita* L.

**Mesic** Mountain Forest: Present  
Xeric Mountain Forest: Present  
**Xeric** Foothill & Break Forests: Present  
Mountain Grass & Shrublands: Present  
Xeric Mountain Grass & Shrublands: Present

*Milium vernale* Bieb.

Habitat not determined.

*Mirabilis jalapa* L.

Habitat not determined.

*Mollugo verticillata* L.

Xeric Fwtslopcs, Breaks, & Plains Grass & Shrublands: **Present**  
Tall Grass Prairie: Present

HABITAT INFORMATION FOR EXOTIC PLANT SPECIES OF THE COLUMBIA BASIN 304

**Moluccella laevis** L.

Habitat not determined.

**Monochoria vaginalis** (Brum.f.) Kunth.

Habitat not determined.

**Morus alba** L.

Xeric Mountain Grass & Shrublands: Present

Tall Grass Prairie: Present

**Muscari comosum** (L.) Mill.

Habitat not determined.

**Myosotis arvensis** (L.) Hill

Alpine: Present

Timberline: Present

Upper Subalpine Forest: **Present**

Lower Subalpine Forest: Present

Mesic Mountain Forest: Present

Xeric Mountain Forest: Present

Xeric Foothill & Break Forests: Present

Subalpine Grass & Shrublands: Present

Mountain Grass & Shrublands: Present

**Myosotis discolor** Pers.

Mesic Mountain Forest: Present

**Xeric** Mountain Forest: Present

Xeric Foothill & Break **Forests**: Present

**Myosotis microtha** Pall.

Xeric Foothill & Break Forests: Present

Xeric Mountain Grass & Shrublands: Present

**Myosotis scorpioides** L.

**Mesic** Mountain Forest: Present

Xeric Mountain Forest: Present

Xeric Foothill & Break Forests: Present

Mountain Grass & Shrublands: Present

Xeric Mountain Grass & Shrublands: Present

**Myriophyllum brasiliense** Camb.

**Mesic** Mountain Forest: Present

Xeric Mountain Forest: Present

Xeric Foothill & Break Forests: Present

Mountain Grass & Shrublands: Present

Xeric Mountain Grass & Shrublands: Present

**Najas marina** L.

Tall Grass Prairie: Present

**Nardus stricta** L.

Habitat not determined.

**Nasturtium officinale** R. Br.

Mesic Mountain Forest: Present

Xeric Mountain Forest: Present

**Xeric** Foothill & Break Forests: Present

Mountain Grass & Shrublands: Present

Xeric Mountain Grass & Shrublands: Present

Tall Grass Prairie: Present

**Nepeta cataria** L.

**Mesic** Mountain Forest: Present

Xeric Mountain Forest: Present

Xeric Foothill & Break Forests: Present

Mountain Grass & Shrublands: Present

Xeric Mountain Grass & Shrublands: Present

Xeric Foothills, Breaks, & Plains Grass & Shrublands: Present

Tall Grass Prairie: Present

HABITAT INFORMATION FOR EXOTIC **PLANT** SPECIES OF THE COLUMBIA BASIN

*Nepeta x faasscnii* Bergmans ex Stearn.  
Habitat not determined.

*Neslia paniculata* (L.) **Desv.**  
Xeric **Footslopes, Breaks, & Plains Grass & Shrublands**: Present  
Tall Grass Prairie: Present

*Nicotiana glauca* R.C. Grah.  
Habitat not determined.

*Nigella damascena* L.  
Habitat not determined.

*Nymphaea odorata* **Ait.**  
**Mesic** Mountain Forest: Present  
Xeric Mountain Forest: Present  
Xeric Foothill & Break Forests: Present  
Mountain Grass & Shrublands: Present  
**Xeric** Mountain Grass & Shrublands: Present

*Odontites verna* (Bcllardi) Dumort.  
Habitat not determined.

*Oenothera perennis* L.  
Xeric Mountain Forest: Present  
Xeric Foothill & Break Forests: Present  
Mountain Grass & Shrublands: Present  
Xeric Mountain Grass & Shrublands: Present

*Oenothera pilosella* L.  
Habitat not determined.

*Onobrychis viciifolia* **Scop.**  
**Mesic** Mountain Forest: Present  
Xeric Mountain Forest: Present  
Xeric Foothill & Break Forests: Present  
Mountain Grass & Shrublands: Present  
Xeric Mountain Grass & Shrublands: Present

*Onopordum acanthium* L.  
Xeric Mountain Forest: Present  
Xeric Foothill & Break Forests: Present  
Mountain Grass & Shrublands: Present  
Xeric Mountain Grass & Shrublands: Present

*Origanum majorana* L.  
Habitat not determined.

*Origanum vulgare* L.  
Habitat not determined.

*Ornithogalum caudatum* **Ait.**  
Habitat not determined.

*Ornithogalum umbellatum* L.  
Habitat not determined.

*Orobancha minor* Sm.  
Habitat not determined.

*Oryza rufipogon* Griffith  
Habitat not determined.

*Oxalis alismoides* (L.) Pers.  
Habitat not determined.

**Oxalis corniculata L.**

Mesic Mountain Forest: Present  
 Xeric Mountain Forest: Present  
 Xeric Foothill & Break Forests: Present  
 Mountain Grass & Shrublands: Present

**Oxalis rubra St. Hil.**

Habitat not determined.

**Panicum miliaceum L.**

Mesic Mountain Forest: Disturbed ground, mechanical or overgrazing  
 Xeric Mountain Forest: Disturbed ground, mechanical or overgrazing  
 Xeric Foothill & Break Forests: Disturbed ground, mechanical or overgrazing  
 Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
 Xeric Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
 Xeric Foothills, Breaks, & Plains Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
 Tall Grass Prairie: Disturbed ground, mechanical or overgrazing

**Papaver argemone L.**

Xeric Foothill & Break Forests: Present  
 Mountain Grass & Shrublands: Present  
 Xeric Mountain Grass & Shrublands: Present

**Papaver rhoeas L.**

Mesic Mountain Forest: Present  
 Xeric Mountain Forest: Present  
 Xeric Foothill & Break Forests: Present  
 Mountain Grass & Shrublands: Present  
 Xeric Mountain Grass & Shrublands: Present

**Papaver somniferum L.**

Habitat not determined.

**Parentucellia viscosa (L.) Car.**

Habitat not determined.

**Paspalum scrobiculatum L.**

Habitat not determined.

**Pastinaca sativa L.**

Mesic Mountain Forest: Present  
 Xeric Mountain Forest: Present  
 Xeric Foothill & Break Forests: Present  
 Xeric Mountain Grass & Shrublands: Present  
 Xeric Foothills, Breaks, & Plains Grass & Shrublands: Present  
 Tall Grass Prairie: Present

**Paulownia tomentosa (Thunb.) Steud.**

Habitat not determined.

**Peganum harmala L.**

Habitat not determined.

**Pennisetum clandestinum Hochst. ex Chiov.**

Habitat not determined.

**Pennisetum pedicellatum Trin.**

Habitat not determined.

**Pennisetum setaceum (Forssk.) Chiov.**

Habitat not determined.

**Pernettya mucronata (L.F.) Gaud.-Beaup. ex K. Spring**

Habitat not determined.

**Petasites japonicus (Siebold.&Zucc.) Maxim.**

Habitat not determined.

HABITAT INFORMATION FOR EXOTIC PLANT SPECIES OF THE COLUMBIA BASIN

**Petroselinum** crispum (Mill.) Nyman ex A.W. Hill.  
Habitat not determined.

**Phalaris aquatica** L.

Mesic Mountain Forest: Disturbed ground, mechanical or overgrazing  
Xeric Mountain Forest: Disturbed ground, mechanical or overgrazing  
Xeric Foothill & Break Forests: Disturbed ground, mechanical or overgrazing  
Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
Xeric Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing

**Phalaris arundinacea** L.

Mesic Mountain Forest: Wetland  
Xeric Mountain Forest: Wetland  
Xeric Foothill & Break Forests: Wetland  
Mountain Grass & Shrublands: Wetland  
Xeric Mountain, Grass & Shrublands: Wetland  
Xeric Footslopes, Breaks, & Plains Grass & Shrublands: Wetland  
Tall Grass Prairie: Wetland

**Phalaris canaricasis** L.

Mesic Mountain Forest: Disturbed ground, mechanical or overgrazing  
Xeric Mountain Forest: Disturbed ground, mechanical or overgrazing  
Xeric Foothill & Break Forests: Disturbed ground; mechanical or overgrazing  
Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
Xeric Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
Xeric Footslopes, Breaks, & Plains Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
Tall Grass Prairie: Disturbed ground, mechanical or overgrazing

**Phaseolus coccineus** L.

Habitat not determined.

**Phaseolus vulgaris** L.

Habitat not determined.

**Pheum pratense** L.

Lower Subalpine Forest: Disturbed ground, mechanical or overgrazing  
Mesic Mountain Forest: Disturbed ground, mechanical or overgrazing  
Xeric Mountain Forest: Disturbed ground, mechanical or overgrazing  
Xeric Foothill & Break Forests: Disturbed ground, mechanical or overgrazing  
Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
Xeric Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
Xeric Footslopes, Breaks, & Plains Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
Tall Grass Prairie: Disturbed ground, mechanical or overgrazing

**Phlomis tuberosa** L.

Tall Grass Prairie: Present

**Physalis peruviana** L.

Habitat not determined.

**Picris echioides** L.

Xeric Footslopes, Breaks, & Plains Grass & Shrublands: Present,  
Tall Grass Prairie: Present

**Picris hieracoides** L.

Habitat not determined.

**Picris japonica** (Thunb.) D. Don. ex G. Don.

Habitat not determined.

**Pimpinella anisum** L.

Habitat not determined.

**Pious aigra** Arnold.

Habitat not determined.

**Pinus sylvestris** L.

Habitat not determined.

**Pinus thunbergiana** Franco

Habitat not determined.

**Pinus wallichiana** Jackson

Habitat not determined.

**Plantago aristata** Michx.

Mountain Grass &amp; Shrublands: Present

Xeric Mountain Grass & Shrublands: **Present****Plantago lanceolata** L.Mesic **Mountain** Forest: Present

Xeric Mountain Forest: Present

Xeric Foothill &amp; Break Forests: Present

**Mountain** Grass & Shrublands: PresentXeric Mountain Grass & Shrublands: **Present**Xeric Foothills, Breaks, & Plains Grass & Shrublands: **Present**

Tall Grass Prairie: Present

**Poa annua** L.

Lower Subalpine Forest: Disturbed ground, mechanical or overgrazing

**Mesic Mountain Forest:** Disturbed ground, mechanical or overgrazing

Xeric Mountain Forest: Disturbed ground, mechanical or overgrazing

Xeric Foothill &amp; Break Forests: Disturbed ground, mechanical or overgrazing

Subalpine Grass &amp; Shrublands: Disturbed ground, mechanical or overgrazing

Mountain Grass &amp; Shrublands: Disturbed ground, mechanical or overgrazing

Xeric **Mountain** Grass & Shrublands: Disturbed ground, mechanical or overgrazingXeric **Foothills, Breaks, & Plains Grass & Shrublands:** Disturbed ground, mechanical or overgrazing

Tall Grass Prairie: Disturbed ground, mechanical or overgrazing

**Poa bulbosa** L.Xeric Mountain Forest: **All stages - western forest**Xeric Foothill & Break **Forests:** **All stages - western forest**

Mountain Grass &amp; Shrublands: Present

Xeric Mountain Grass &amp; Shrublands: Present

Xeric Foothills, Breaks, &amp; Plains Grass &amp; Shrublands: Present

**Poa compressa** L.

Mesic Mountain Forest: Disturbed ground, mechanical or overgrazing

Xeric Mountain Forest: Disturbed ground, mechanical or overgrazing

Xeric Foothill & Break Forests: Disturbed ground, mechanical or **overgrazing****Mountain** Grass & Shrublands: Disturbed ground, mechanical or overgrazing

Xeric Mountain Grass &amp; Shrublands: Disturbed ground, mechanical or overgrazing

Xeric Foothills, Breaks, &amp; Plains Grass &amp; Shrublands: Disturbed ground, mechanical or overgrazing

Tall Grass Prairie: Disturbed ground, mechanical or overgrazing

**Poa palustris** L.**Lower** Subalpine Forest: Wetland**Mesic** Mountain Forest: Wetland

Xeric Mountain Forest: Wetland

Xeric Foothill &amp; Break Forests: Wetland

Subalpine Grass &amp; Shrublands: Wetland

Mountain Grass & Shrublands: **Wetland**Xeric Mountain Grass & Shrublands: **Wetland**

Xeric Foothills, Breaks, &amp; Plains Grass &amp; Shrublands: Wetland

**Tall** Grass Prairie: Wetland**Poa pratensis** L.

Alpine: Present

Timberline: Present

Upper Subalpine Forest: Disturbed ground, mechanical or overgrazing

Lower Subalpine Forest: Disturbed **ground**, mechanical or overgrazing**Mesic** Mountain Forest: Disturbed ground, mechanical or overgrazingXeric Mountain Forest: All stages - **western forest**Xeric Foothill & Break Forests: **All stages - western forest**

Subalpine Grass &amp; Shrublands: Present

Mountain Grass &amp; Shrublands: Present

Xeric Mountain Grass &amp; Shrublands: Present

**Xeric Foothills, Breaks, & Plains Grass & Shrublands:** Wetland

Tall Grass Prairie: Present

HABITAT INFORMATION FOR EXOTIC PLANT SPECIES OF THE COLUMBIA BASIN

*Poa trivialis* L.

**Mesic** Mountain Forest: All stages'- western forest  
 Xeric Mountain Forest: Wetland  
 Xeric Foothill & Break Forests: Wetland  
 Mountain Grass & Shrublands: Wetland  
 Xeric Mountain Grass & Shrublands: Wetland

*Polygonum aubertii* Litt.

Habitat not determined.

*Polygonum convolvulus* L.

**Mesic** Mountain Forest: Present  
 Xeric Mountain Forest: Present  
 Xeric Foothill & Break Forests: Present  
 Mountain Grass & Shrublands: Present  
 Xeric Mountain Grass & Shrublands: Present  
 Xeric **Footslopes, Breaks, & Plains Grass & Shrublands: Present**  
 Tall Grass Prairie: Present

*Polygonum cuspidatum* Siebold. & Zucc.

Habitat not determined.

*Polygonum hydropiper* L.

**Mesic** Mountain Forest: Present  
**Xeric Mountain Forest: Present**  
**Xeric Foothill & Break Forests: Present**  
 Mountain Grass & Shrublands: **Present**  
 Xeric Mountain Grass & Shrublands: Present  
**Xeric Footslopes, Breaks, & Plains Grass & Shrublands: Present**  
 Tall Grass Prairie: Present

*Polygonum lapathifolium* L.

**Mesic** Mountain Forest: Present  
**Xeric** Mountain Forest: Present  
 Xeric **Foothill & Break Forests: Present**  
 Mountain Grass & Shrublands: Present  
**Xeric** Mountain Grass & Shrublands: Present  
 Xeric **Footslopes, Breaks, & Plains Grass & Shrublands: Present**  
 Tall Grass Prairie: Present

*Polygonum orientale* L.

Habitat not determined.

*Polygonum penicaria* L.

**Mesic** Mountain Forest: Present  
**Xeric** Mountain Forest: Present  
 Xeric **Foothill & Break Forests: Present**  
 Mountain Grass & Shrublands: Present  
 Xeric Mountain Grass & Shrublands: Present  
 Xeric **Footslopes, Breaks, & Plains Grass & Shrublands: Present**  
 Tall Grass Prairie: Present

*Polygonum polystachyum* Wall.

Habitat not determined.

*Polygonum sachalinense* F. Schmidt ex Maxim.

**Mesic** Mountain Forest: **Present**  
 Xeric Mountain Forest: Present  
 Xeric Foothill & Break Forests: Present  
 Mountain Grass & Shrublands: Present  
 Xeric Mountain Grass & Shrublands: Present  
 Xeric **Footslopes, Breaks, & Plains Grass & Shrublands: Present**  
 Tall Grass Prairie: **Present**

*Polypogon monspeliensis* (L.) Desf.

Xeric Mountain Forest: Disturbed ground, mechanical or overgrazing  
 Xeric Foothill & Break Forests: Wetland  
 Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
 Xeric Mountain Grass & Shrublands: Wetland  
 Xeric Footslopes, Breaks, & Plains Grass & Shrublands: Wetland  
 Tall Grass Prairie: Wetland

*Poncirus trifoliata* (L.) Raf.

Habitat not determined.

*Populus alba* L.

Xeric Mountain Forest: Wetland  
 Xeric Foothill & Break Forests: Wetland  
 Mountain Grass & Shrublands: Wetland  
 Xeric Mountain Grass & Shrublands: Wetland  
 Xeric Footslopes, Breaks, & Plains Grass & Shrublands: Wetland  
 Tall Grass Prairie: Wetland

*Portulaca oleracea* L.

Mesic Mountain Forest: Present  
 Xeric Mountain Forest: Present  
 Xeric Foothill & Break Forests: Present  
 Mountain Grass & Shrublands: Present  
 Xeric Mountain Grass & Shrublands: Present  
 Xeric Footslopes, Breaks, & Plains Grass & Shrublands: Present  
 Tall Grass Prairie: Present

*Potamogeton crispus* L.

Mesic Mountain Forest: Aquatic  
 Xeric Mountain Forest: Aquatic  
 Xeric Foothill & Break Forests: Aquatic  
 Mountain Grass & Shrublands: Aquatic  
 Xeric Mountain Grass & Shrublands: Aquatic  
 Xeric Footslopes, Breaks, & Plains Grass & Shrublands: Aquatic  
 Tall Grass Prairie: Aquatic

*Potentilla argentca* L.

Xeric Mountain Forest: Present  
 Xeric Foothill & Break Forests: Present  
 Mountain Grass & Shrublands: Present  
 Xeric Mountain Grass & Shrublands: Present  
 Xeric Footslopes, Breaks, & Plains Grass & Shrublands: Present  
 Tall Grass Prairie: Present

*Potentilla nepalensis* Hook.

Habitat not determined.

*Potentilla recta* L.

Xeric Mountain Forest: Present  
 Xeric Foothill & Break Forests: Present  
 Mountain Grass & Shrublands: Present  
 Xeric Mountain Grass & Shrublands: Present  
 Xeric Footslopes, Breaks, & Plains Grass & Shrublands: Present  
 Tall Grass Prairie: Present

*Primula parryi* Gray

Alpine: Present  
 Timberline: Present

*Prosopis alapataco* Phil.

habitat not determined.

*Prosopis argentina* Burk.

Habitat not determined.

*Prosopis burkartii* Munoz

Habitat not determined.

HABITAT INFORMATION FOR EXOTIC PLANT SPECIES OF THE COLUMBIA BASIN

*Prosopis caldenia* Burk.

Habitat not determined.

*Prosopis calingastana* Burk.

Habitat not determined.

*Prosopis campestris* **Griseb**

Habitat not determined.

*Prosopis castellanii* Burk.

Habitat not determined.

*Prosopis denudans* Benth.

Habitat not determined.

*Prosopis elata* Burk.

Habitat not **determined**.

*Prosopis farcta* (Sol. ex Russ) **MacBride**

Habitat not determined.

*Prosopis ferox* Griseb

Habitat not determined.

*Prosopis fiebrigii* Harms.

Habitat not determined.

*Prosopis hassleri* Harms.

Habitat not determined.

*Prosopis humilis* **Hook & Arn.**

Habitat not determined.

*Prosopis kuntzei* Harms

Habitat not determined.

*Prosopis pallida* (Hmb ex Willd.) **HBK**

Habitat not determined.

*Prosopis rojasiana* Burk.

Habitat not determined.

*Prosopis ruizcalii* Burk.

Habitat not determined.

**Prosopis** *ruscifolia* Griseb

Habitat not determined.

*Prosopis sericantha* Hook & Arn.

Habitat not determined.

*Prosopis torquata* (Laj.) D.C.

Habitat not determined.

**Prunus** *armeniaca* L.

Habitat not de&mined.

*Prunus avium* L.

**Mesic** Mountain Forest: Disturbed ground, mechanical or overgrazing

Xeric Mountain Forest: Disturbed ground, mechanical or overgrazing.

Xeric Foothill & Break Forests: Wetland

*Prunus cerasifera* J.F. Ehrh.

Habitat not determined.

HABITAT INFORMATION FOR EXOTIC **PLANT** SPECIES OF THE COLUMBIA BASIN 312

*Prunus cerasus* L.

Mesic **Mountain** Forest: Present  
 Xeric Mountain Forest: **Present**  
 Xeric Foothill & Break Forests: Present  
 Mountain Grass & Shrublands: Present  
 Xeric Mountain Grass & Shrublands: Present

*Prunus domestica* L.

Mesic **Mountain** Forest: All stages - western forest  
 Xeric Mountain Forest: All stages - **western** forest  
 Xeric Foothill & Break Forests: Wetland  
 Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
 Xeric Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing

*Prunus fruticosa* Pall.

Habitat not determined.

*Prunus glandulosa* Thuab.

Habitat not **determined**.

*Prunus laurocerasus* L.

Habitat not determined.

*Prunus lusitanica* L.

Habitat not determined.,

*Prunus mahaleb* L.

**Mesic** Mountain Forest: Disturbed ground, mechanical or overgrazing  
**Xeric** Mountain Forest: Disturbed ground, mechanical or overgrazing  
**Xeric** Foothill & Break Forests: **Disturbed** ground, mechanical or overgrazing  
 Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
**Xeric** Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing

*Prunus padus* L.

Habitat not determined.

*Prunus spinosa* L.

Xeric Mountain Forest: In moist draws  
 Xeric Foothill & Break Forests: in moist draws  
**Mountain** Grass & Shrublands: In moist draws  
 Xeric Mountain Grass & Shrublands: In moist draws

*Prunus tomentosa* Thunb.

Habitat not determined.

*Puccinellia distans* (L.) **Parl.**

Xeric Foothill & Break Forests: Alkaline or saline soils  
 Mountain Grass & Shrublands: Alkaline or saline soils  
 Xeric Mountain Grass & Shrublands: Alkaline or saline soils  
 Xeric **Footslopes**, Breaks, & Plains Grass & Shrublands: Alkaline or saline soils

*Pyrus calleryana* Dcne.

Habitat **not** determined.

*Pyrus commuais* L.

Habitat not determined.

*Pyrus malus* L.

Mesic Mountain Forest: Present  
 Xeric Mountain Forest: Present  
 Xeric Foothill & Break Forests: Present  
 Mountain Grass & Shrublands: Present  
 Xeric Mountain Grass & Shrublands: Present  
**Xeric Footslopes**, Breaks, & Plains Grass & Shrublands: Present  
 Tall Grass Prairie: Present

HABITAT INFORMATION FOR EXOTIC PLANT SPECIES OF THE COLUMBIA BASIN

*Ranunculus acris* L.

**Mesic** Mountain Forest: **Present**  
Xeric Mountain Forest: Present  
Xeric Foothill & Break Forests: Present  
Mountain Grass & Shrublands: Present  
Xeric Mountain Grass & Shrublands: Present  
Xeric Foothills, Breaks, & Plains Grass & Shrublands: Present  
Tall Grass Prairie: Present

• *Ranunculus arvensis* L.

Xeric Mountain Forest: Present  
Xeric Foothill & Break Forests: **Present**  
**Mountain** Grass & Shrublands: Present  
Xeric Mountain Grass & Shrublands: Present

*Ranunculus ficaria* L.

Habitat not determined.

*Ranunculus parviflorus* L.

Habitat not determined.

*Ranunculus repens* L.

**Mesic** Mountain Forest: **Present**  
Xeric Mountain Forest: Present  
Xeric **Foothill & Break** Forests: Present  
Mountain Grass & Shrublands: Present  
Xeric Mountain Grass & Shrublands: Present

*Ranunculus testiculatus* Crantz

Xeric Mountain Forest: Present  
Xeric Foothill & **Break** Forests: **Present**  
Mountain Grass & Shrublands: Present  
Xeric Mountain Grass & Shrublands: Present

*Raphanus raphanistrum* L.

Xeric Mountain Forest: **Present**  
Xeric Foothill & Break Forests: Present  
Mountain Grass & Shrublands: Present  
Xeric Mountain Grass & Shrublands: Present

*Raphanus sativus* L.

**Mesic** Mountain Forest: Present  
Xeric Mountain Forest: Present  
Xeric Foothill & Break Forests: Present  
Mountain Grass & Shrublands: Present  
Xeric Foothills, Breaks, & Plains Grass & Shrublands: Present  
Tall Grass Prairie: Present

*Reseda lutea* L.

Xeric Mountain Forest: Present  
Xeric Foothill & Break Forests: **Present**  
Mountain Grass & Shrublands: Present  
Xeric Mountain Grass & Shrublands: Present

*Rhamnus cathartica* L.

Xeric Foothill & Break Forests: In moist draws  
Xeric Mountain Grass & Shrublands: In moist draws  
Xeric Foothills, Breaks, & Plains Grass & Shrublands: In moist draws  
Tall Grass Prairie: Present

*Rhamnus davurica* Pall.

Xeric Foothills, Breaks, & Plains Grass & Shrublands: In moist draws  
Tall Grass Prairie: **Present**

*Rhacum rhabarbarum* L.

- Mesic** Mountain Forest: Present
- Xeric Mountain Forest: Present
- Xeric Foothill & Break Forests: Present
- Mountain Grass & Shrublands: Present
- Xeric Mountain Grass & Shrublands: Present
- Xeric Foothills, Breaks, & Plains Grass & Shrublands: Present
- Tall Grass Prairie: Present

*Rhus typhina* L.

- Tall Grass Prairie: Disturbed ground, mechanical or overgrazing

*Ribes sativum* (Reichb.) Syme

- Mesic** Mountain Forest: Disturbed ground, mechanical or overgrazing
- Xeric Mountain Forest: Disturbed ground, mechanical or overgrazing
- Xeric Foothill & Break Forests: Wetland
- Mountain** Grass & Shrublands: Wetland
- Xeric Mountain Grass & Shrublands: Wetland

*Robinia pseudo-acacia* L.

- Mesic** Mountain Forest: Disturbed ground, mechanical or overgrazing
- Xeric Mountain Forest: Disturbed ground, mechanical or overgrazing
- Xeric Foothill & Break Forests: Wetland
- Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing
- Xeric Mountain Grass & Shrublands: Wetland
- Xeric Foothills, Breaks, & Plains Grass & Shrublands: Wetland
- Tall Grass Prairie: Present

*Rorippa austriaca* (Craatz) Bess.

- Tall Grass Prairie: Present

*Rorippa sylvestris* (L.) Bess.

- Xeric Mountain Forest: Present
- Xeric Foothill & Break Forests: Present
- Mountain Grass & Shrublands: Present
- Xeric** Mountain Grass & Shrublands: Present
- Tall Grass Prairie: Present

*Rosa canina* L.

- Mesic** Mountain Forest: Disturbed ground, mechanical or overgrazing
- Xeric Mountain Forest: Disturbed ground, mechanical or overgrazing

*Rottboellia cochiachincensis* (Loar.) W. Claton

- Habitat not determined.

*Rottboellia exaltata* Linn.f.

- Habitat not determined.

*Rubus discolor* Wehlc & Nees

- Mesic** Mountain Forest: Disturbed ground, mechanical or overgrazing
- Xeric Mountain Forest: Disturbed ground, mechanical or overgrazing
- Xeric Foothill & Break Forests: Disturbed ground, mechanical or overgrazing
- Mountain Grass & Shrublands: In moist draws
- Xeric Mountain Grass & Shrublands: In moist draws

*Rubus fruticosus* L.

- Habitat not determined.

*Rubus laciniatus* Willd.

- Mesic** Mountain Forest: Disturbed ground, mechanical or overgrazing
- Xeric Mountain Forest: Disturbed ground, mechanical or overgrazing
- Xeric Foothill & Break Forests: In moist draws
- Mountain Grass & Shrublands: In moist draws
- Xeric Mountain Grass & Shrublands: In moist draws

HABITAT INFORMATION FOR EXOTIC PLANT SPECIES OF THE COLUMBIA BASIN

*Rumex acetosa* L.

**Mesic Mountain** Forest: Present  
Xeric Mountain Forest: Present  
Xeric Foothill & Break Forests: Present  
Mountain Grass & Shrublands: Present  
Xeric Mountain Grass & Shrublands: Present

*Rumex acetosella* L.

**Mesic** Mountain Forest: Present  
Xeric Mountain Forest: Present  
Xeric Foothill & Break Forests: Present  
Mountain Grass & Shrublands: Present  
Xeric Mountain Grass & Shrublands: Present  
Xeric **Footslopes, Breaks, & Plains** Grass & Shrublands: Present  
Tall Grass Prairie: Present

*Rumex crispus* L.

**Mesic Mountain** Forest: Present  
Xeric Mountain Forest: Present  
Xeric Foothill & Break Forests: Present  
Mountain Grass & Shrublands: Present  
Xeric Mountain Grass & Shrublands: Present  
Xeric **Footslopes, Breaks, & Plains** Grass & Shrublands: Present  
Tall Grass Prairie: **Present**

*Rumex domesticus* Hart m.

**Xeric Footslopes, Breaks, & Plains** Grass & Shrublands: **Present**  
Tall Grass Prairie: Present

*Rumex obtusifolius* L.

**Mesic** Mountain Forest: Present  
Xeric Mountain Forest: Present  
Xeric Foothill & Break Forests: Present  
Mountain Grass & Shrublands: Present  
**Xeric** Mountain Grass & Shrublands: Present

*Rumex patricntia* L.

**Xeric** Foothill & Break Forests: Present  
**Mountain** Grass & Shrublands: **Present**  
**Xeric** Mountain Grass & Shrublands: Present  
Xeric **Footslopes, Breaks, & Plains** Grass & Shrublands: Present  
Tall Grass Prairie: Present

*Rumex sanguineus* L.

Xeric Mountain Forest: Present  
Xeric Foothill & Break Forests: Present  
Mountain Grass & Shrublands: Present  
Xeric Mountain Grass & Shrublands: Present

*Rumex stenophyllus* Ledeb.

Xeric Mountain Forest: Present  
Xeric Foothill & Break Forests: Present  
Mountain Grass & Shrublands: Present  
Xeric Mountain Grass & **Shrublands**: Present  
Xeric **Footslopes, Breaks, & Plains** Grass & Shrublands: Present  
Tall Grass Prairie: Present

*Ruscus hypoglossum* L.

Habitat not determined.

*Sagina procumbens* L.

**Mesic** Mountain Forest: Present  
Xeric Mountain Forest: Present  
Xeric Foothill & Break Forests: Present  
Mountain Grass & Shrublands: Present  
Xeric **Mountain** Grass & Shrublands: Present

*Sagittaria sagittifolia* L.

Habitat not determined.

*Sagittaria sagittifolia* L.

Habitat not determined.

*Salix alba* L.

**Mesic** Mountain Forest: Wetland  
 Xeric Mountain Forest: Wetland  
 Xeric Foothill & Break Forests: Wetland  
**Mountain** Grass & Shrublands: Wetland  
 Xeric Mountain Grass & Shrublands: Wetland  
 Tall Grass Prairie: Wetland

*Salix babylonica* L.

**Mesic** Mountain Forest: Disturbed ground, mechanical or overgrazing  
 Xeric Mountain Forest: Wetland  
 Xeric Foothill & Break Forests: Wetland  
**Mountain** Grass & Shrublands: Wetland  
 Xeric Mountain Grass & Shrublands: Wetland  
 Xeric Foothills, Breaks, & Plains **Grass** & Shrublands: Wetland  
 Tall Grass Prairie: Wetland

*Salix fragilis* L.

Xeric Foothills, Breaks, & Plains Grass & Shrublands: Wetland  
 Tall Grass Prairie: Wetland

*Salix pentandra* L.

Xeric Foothill & Break Forests: Wetland  
 Xeric **Foothills**, Breaks, & Plains Grass & Shrublands: Wetland  
 Tall Grass Prairie: Wetland

*Salsola collina* Pallas

Xeric Mountain Grass & Shrublands: Present  
 Xeric **Foothills**, Breaks, & Plains Grass & Shrublands: Present  
**Tall** Grass Prairie: Present

*Salsola ibérica* Senn. & Pau

Mountain Grass & Shrublands: **Present**  
 Xeric Mountain Grass & Shrublands: Present  
 Xeric **Foothills**, Breaks, & Plains Grass & Shrublands: Present  
 Tall Grass Prairie: Present

*Salsola vermiculata* L.

Habitat not determined.

*Salvia nemorosa* L.

Xeric Foothill & Break **Forests**: Present  
 Xeric Mountain Grass & Shrublands: Present  
 Xeric Foothills, **Breaks**, & Plains Grass & Shrublands: Present  
 Tall Grass Prairie: Present

*Salvia officinalis* L.

Habitat not determined.

*Salvia pratensis* L.

Habitat not determined.

*Salvia sclarea* L.

**Mountain** Grass & Shrublands: Present  
 Xeric Mountain Grass & Shrublands: Present

*Salvia x sylvestris* L.

Habitat not determined.

*Salvinia biloba* Raddi

Habitat not determined.

*Salvinia herzogii* Sota

Habitat not determined.

HABITAT INFORMATION FOR EXOTIC PLANT SPECIES OF THE COLUMBIA BASIN

*Salvinia molesta* D.S. Mitchel

Habitat not determined.

*Sanguisorba minor* Scop.

Mesic Mountain Forest: Present  
Xeric Mountain Forest: Present  
Xeric Foothill & Break Forests: Present  
Mountain Grass & Shrublands: Present  
Xeric Mountain Grass & Shrublands: Present

*Saponaria ocymoides* L.

Habitat not determined.

*Saponaria officinalis* L.

Mesic Mountain Forest: Present  
Xeric Mountain Forest: Present  
Xeric Foothill & Break Forests: Present  
Mountain Grass & Shrublands: Present  
Xeric Mountain Grass & Shrublands: Present  
Xeric Foothills, Breaks, & Plains Grass & Shrublands: Present  
Tall Grass Prairie: Present

*Sarcococca hookerana* Boill.

Habitat not determined.

*Sarcococca hookeriana* Barll.

Habitat not determined.

*Satureja acinos* (L.) Scheele

Habitat not determined.

*Satureja vulgaris* (L.) Fritsch.

Mesic Mountain Forest: Present

*Scabiosa atropurpurea* L.

Habitat not determined.

*Scilla sibirica* Andr.

Habitat not determined.

*Scleranthus annuus* L.

Mesic Mountain Forest: Present  
Xeric Mountain Forest: Present  
Xeric Foothill & Break Forests: Present  
Xeric Mountain Grass & Shrublands: Present

*Scferochloa dura* (L.) Beauv.

Xeric Mountain Forest: Disturbed ground, mechanical or overgrazing  
Xeric Foothill & Break Forests: Disturbed ground, mechanical or overgrazing  
Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
Xeric Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing

*Scolochloa festucacea* (Willd.) Link

Mesic Mountain Forest: Wetland  
Xeric Mountain Forest: Wetland  
Xeric Foothill & Break Forests: Wetland  
Mountain Grass & Shrublands: Wetland  
Xeric Mountain Grass & Shrublands: Wetland  
Xeric Foothills, Breaks, & Plains Grass & Shrublands: Wetland  
Tall Grass Prairie: Wetland

*Scorzonera hispanica* L.

Habitat not determined.

*Scorzonera laciniata* L.

Xeric Mountain Grass & Shrublands: Present  
Xeric Foothills, Breaks, & Plains Grass & Shrublands: Present

**Secale cereale** L.

Lower Subalpine Forest: Disturbed ground, mechanical or overgrazing  
 Mesic Mountain Forest: Disturbed ground, mechanical or overgrazing  
 Xeric Mountain Forest: Disturbed ground, mechanical or overgrazing  
 Xeric Foothill & Break Forests: Disturbed ground, mechanical or overgrazing  
 Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
 Xeric Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
 Xeric Foothills, Breaks, & Plains Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
 Tall Grass Prairie: Disturbed ground, mechanical or overgrazing

**Sedum acre** L.

Xeric Foothill & Break Forests: Present  
 Mountain Grass & Shrublands: Present

**Sedum lineare** Thunb.

Habitat not determined.

**Sedum spectabile** Boreau

Habitat not determined.

**Senecio jacobaea** L.

Habitat not determined.

**Senecio mikanoides** Otto.

Habitat not determined.

**Senecio sylvaticus** L.

Habitat not determined.

**Senecio vulgaris** L.

Mesic Mountain Forest: Present  
 Xeric Mountain Forest: Present  
 Xeric Foothill & Break Forests: Present  
 Mountain Grass & Shrublands: Present  
 Xeric Mountain Grass & Shrublands: Present  
 Xeric Foothills, Breaks, & Plains Grass & Shrublands: Present  
 Tall Grass Prairie: Present

**Setaria glauca** (L.) Beauv.

Mesic Mountain Forest: Disturbed ground, mechanical or overgrazing  
 Xeric Mountain Forest: Disturbed ground, mechanical or overgrazing  
 Xeric Foothill & Break Forests: Disturbed ground, mechanical or overgrazing  
 Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
 Xeric Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
 Xeric Foothills, Breaks, & Plains Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
 Tall Grass Prairie: Disturbed ground, mechanical or overgrazing

**Setaria italica** (L.) Beauv.

Xeric Foothills, Breaks, & Plains Grass & Shrublands: Wooded areas  
 Tall Grass Prairie: Wooded areas

**Setaria pallide-fusca** (Schumacher) Stapf.

Habitat not determined.

**Setaria verticillata** (L.) Beauv.

Xeric Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
 Xeric Foothills, Breaks, & Plains Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
 Tall Grass Prairie: Disturbed ground, mechanical or overgrazing

**Setaria viridis** (L.) Beauv.

Mesic Mountain Forest: Disturbed ground, mechanical or overgrazing  
 Xeric Mountain Forest: Disturbed ground, mechanical or overgrazing  
 Xeric Foothill & Break Forests: Disturbed ground, mechanical or overgrazing  
 Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
 Xeric Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
 Xeric Foothills, Breaks, & Plains Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
 Tall Grass Prairie: Disturbed ground, mechanical or overgrazing

HABITAT INFORMATION FOR EXOTIC PLANT SPECIES OF THE COLUMBIA BASIN,

*Setcreasea pallida* Rose.

Habitat not determined.

*Shcrardia arvensis* L.

**Mesic** Mountain Forest: Present  
Xeric Mountain Forest: Present  
Xeric Foothill & Break Forests: Present  
Mountain Grass & Shrublands: Present  
Xeric Mountain Grass & Shrublands: Present

*Sidcritis montana* L.

Xeric **Footslopes, Breaks, & Plains Grass & Shrublands:** Present

*Silene armeria* L.

Habitat not determined.

*Silene conoidea* L.

Mesic Mountain Forest: Present  
**Xeric** Mountain Forest: Present  
Xeric Foothill & Break Forests: Present  
Mountain Grass & Shrublands: Present  
Xeric Mountain Grass & Shrublands: Present

*Silene cscrei* Baumg.

**Mesic** Mountain Forest: Present  
Xeric Mountain Forest: Present  
Xeric Foothill & Break Forests: **Present**  
**Mountain** Grass & Shrublands: **Present**  
Xeric Mountain Grass & Shrublands: Present  
Xeric Footslopes, Breaks, & Plains Grass & Shrublands: **Present**  
Tall Grass Prairie: **Present**

*Silene dichotoma* Ehrh.

Mesic Mountain Forest: Present  
Xeric Mountain Forest: Present  
Xeric Foothill & Break Forests: Present  
Mountain Grass & Shrublands: Present  
Xeric Mountain Grass & Shrublands: Present  
Xeric Footslopes, Breaks, & Plains Grass & Shrublands: Present  
Tall Grass Prairie: Present

*Silene noctiflora* L.

**Mesic** Mountain Forest: Present  
Xeric Mountain Forest: Present  
**Xeric** Foothill & Break Forests: **Present**  
Mountain Grass & Shrublands: Present  
Xeric Mountain Grass & Shrublands: **Present**  
Xeric **Footslopes, Breaks, & Plains Grass & Shrublands:** Present  
Tall Grass Prairie: **Present**

*Silene vulgaris* (Moench) Garcke

Mesic Mountain Forest: Present  
Xeric Mountain Forest: Present  
Xeric Foothill & Break Forests: Present  
Mountain Grass & Shrublands: Present  
Xeric Mountain Grass & Shrublands: Present  
Xeric **Footslopes, Breaks, & Plains Grass & Shrublands:** Present  
Tall Grass Prairie: Present

*Silybum marianum* (L.) Gaerdn

Habitat not determined.

*Sisymbrium altissimum* L.

**Mesic** Mountain Forest: Present  
Xeric Mountain Forest: Present  
Xeric Foothill & Break Forests: Present  
Mountain Grass & Shrublands: **Present**  
Xeric Mountain Grass & Shrublands: Present  
Xeric Footslopes, Breaks, & Plains Grass & Shrublands: Present  
Tall Grass Prairie: Present

**Sisymbrium loeselii** L.

- Mesic Mountain Forest: Present
- Xeric Mountain Forest: Present
- Xeric Foothill & Break Forests: Present
- Mountain Grass & Shrublands: Present
- Xeric Mountain Grass & Shrublands: Present
- Xeric Footslopes, Breaks, & Plains Grass & Shrublands: Present
- Tall Grass Prairie: Present

**Sisymbrium officinale** (L.) Scop.

- Mesic Mountain Forest: Present
- Xeric Mountain Forest: Present
- Xeric Foothill & Break Forests: Present
- Mountain Grass & Shrublands: Present
- Xeric Mountain Grass & Shrublands: Present
- Tall Grass Prairie: Present

**Sobaria sorbifolia** (L.) Braun

Habitat not determined.

**Solanum aviculare** G. Forst.

Habitat not determined.

**Solanum dulcamara** L.

- Mesic Mountain Forest: Disturbed ground, mechanical or overgrazing
- Xeric Mountain Forest: Disturbed ground, mechanical or overgrazing
- Xeric Foothill & Break Forests: In moist draws
- Mountain Grass & Shrublands: In moist draws
- Xeric Mountain Grass & Shrublands: In moist draws
- Xeric Footslopes, Breaks, & Plains Grass & Shrublands: In moist draws
- Tall Grass Prairie: In moist draws

**Solanum mclongena** L.

Habitat not determined.

**Solanum muricatum** Ait.

Habitat not determined.

**Solanum muticum** N.E.Br.

Habitat not determined.

**Solanum pseudo-capsicum** L.

Habitat not determined.

**Solanum sarrachoides** Scndt.

- Mesic Mountain Forest: Present
- Xeric Mountain Forest: Present
- Xeric Foothill & Break Forests: Present
- Mountain Grass & Shrublands: Present
- Xeric Mountain Grass & Shrublands: Present
- Xeric Footslopes, Breaks, & Plains Grass & Shrublands: Present
- Tall Grass Prairie: Present

**Solanum torvum** SW.

Habitat not determined.

**Solanum tuberosum** L.

Habitat not determined.

**Sonchus arvensis** L.

- Mesic Mountain Forest: Present
- Xeric Mountain Forest: Present
- Xeric Foothill & Break Forests: Present
- Mountain Grass & Shrublands: Present
- Xeric Mountain Grass & Shrublands: Present
- Xeric Footslopes, Breaks, & Plains Grass & Shrublands: Present
- Tall Grass Prairie: Present

HABITAT INFORMATION FOR **EXOTIC** PLANT SPECIES OF THE COLUMBIA BASIN

*Sonchus asper* (L.) Hill

Mesic Mountain Forest: Present  
 Xeric Mountain Forest: Present  
 Xeric Foothill & Break Forests: Present  
 Mountain Grass & Shrublands: Present  
 Xeric Mountain Grass & Shrublands: Present  
 Xeric **Footslopes, Breaks, & Plains** Grass & Shrublands: Present  
 Tall Grass Prairie: Present

*Sonchus oleraceus* L.

Mesic Mountain Forest: Present  
 Xeric Mountain Forest: Present  
 Xeric Foothill & Break Forests: Present  
 Mountain Grass & Shrublands: Present  
 Xeric Mountain Grass & Shrublands: Present  
 Xeric **Footslopes, Breaks, & Plains** Grass & Shrublands: Present  
 Tall Grass Prairie: Present

*Sophora japonica* L.

Habitat not determined.

*Sorbus aria* (L.) Crantz

Habitat not determined.

*Sorbus aucuparia* L.

Mesic Mountain Forest: Early & mid **succession - western forest**  
 Xeric Mountain Forest: Early & mid **succession - western forest**  
 Xeric Foothill & Break Forests: Wetland  
 Mountain Grass & Shrublands: Wetland  
 Xeric Mountain Grass & Shrublands: Wetland

*Sorbus intermedia* (J.F. Ehrh.) Pers.

Habitat not determined.

*Sorghum bicolor* (L.) Moench

Tall Grass Prairie: Disturbed ground, mechanical or overgrazing

*Sorghum halapense* (L.) Pers.

Xeric Foothill & Break Forests: Disturbed ground, mechanical or overgrazing  
 Xeric Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing.  
 Xeric **Footslopes, Breaks, & Plains** Grass & Shrublands: Disturbed ground, **mechanical** or overgrazing  
 Tall Grass Prairie: Disturbed ground, mechanical or overgrazing

*Sorghum sudanense* (Piper.) Stapf

Habitat not determined.

*Sparganium erectum* L.

Habitat not determined.

*Spartina alterniflora* Loisel.

Habitat not determined.

*Spartina anglica* C.E. Hubbard

Habitat not determined.

*Spartium junceum* L.

Habitat not determined.

*Spergula arvensis* L.

Xeric Mountain Forest: Present  
 Xeric Foothill & Break Forests: Present  
 Mountain Grass & Shrublands: **Present**  
 Xeric Mountain Grass & Shrublands: Present  
 Tall Grass Prairie: Present

*Spergularia diandra* (Guss.) Boiss.

Xeric Mountain Forest: Present  
 Xeric Foothill & Break Forests: Present  
 Xeric Mountain Grass & Shrublands: Present

*Spergularia marina* (L.) Griseb.

Xeric Foothill & Break Forests: Present  
 Mountain Grass & Shrublands: Present  
 Xeric Mountain Grass & Shrublands: Present  
 Xeric **Footslopes, Breaks, & Plains Grass & Shrublands:** Present  
 Tall Grass Prairie: Present

*Spergularia rubra* (L.) **Presl**

Lower Subalpine Forest: Present  
 Mesic Mountain Forest: Present  
 Xeric Mountain Forest: Present  
 Xeric **Foothill & Break Forests:** Present  
 Subalpine Grass & Shrublands: Present  
 Mountain Grass & Shrublands: Present  
 Xeric Mountain Grass & Shrublands: Present

*Sphacophysa salsula* (Pall.) DC.

Mountain Grass & Shrublands: Present  
 Xeric Mountain Grass & Shrublands: Present

*Spiraea japonica* LF.

Habitat not determined.

*Spiraea x arguta* Zab.

Habitat not determined.

*Spiraea x bumalda* **Burv.**

Habitat not determined.

*Spiraea x vanhoutci* (C. Briot.) Zab.

Habitat not determined.

*Stachys byzantina* C. Koch.

Habitat not determined.

*Stellaria graminea* L.

Mesic Mountain Forest: **Present**  
 Xeric Mountain **Forest:** Present  
 Xeric Foothill & Break Forests: Present  
 Mountain Grass & Shrublands: Present  
 Xeric Mountain Grass & Shrublands: Present

*Stellaria media* (L.) **Cyrill.**

Mesic Mountain Forest: Present  
 Xeric Mountain Forest: Present  
 Xeric Foothill & Break Forests: Present  
 Mountain Grass & Shrublands: Present  
 Xeric Mountain Grass & Shrublands: **Present**  
 Xeric **Footslopes, Breaks, & Plains Grass & Shrublands:** Present  
 Tall Grass Prairie: **Present**

*Strophostyles leiosperma* (T. & G.) Piper

Xeric Foothill & Break Forests: Present  
 Xeric **Footslopes, Breaks, & Plains Grass & Shrublands:** Present  
 Tall Grass Prairie: **Present**

*Symphytum asperum* **Lepech.**

Habitat not determined.

*Symphytum officinale* L.

**Mesic** Mountain Forest: Present  
 Xeric Mountain Forest: Present  
 Xeric Foothill & Break Forests: Present  
 Xeric Mountain Grass & Shrublands: Present

*Syringa villosa* Vahl.

Habitat not determined.

HABITAT INFORMATION FOR EXOTIC PLANT SPECIES OF THE COLUMBIA BASIN

*Syringa vulgaris* L.

**Mesic** Mountain Forest: Disturbed ground, mechanical or overgrazing  
Xeric **Mountain** Forest: Disturbed ground, mechanical or overgrazing  
**Xeric** Foothill & Break Forests: Disturbed ground, mechanical or overgrazing  
**Mountain** Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
Xeric Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
Tall Grass Prairie: Disturbed ground, mechanical or overgrazing

*Tagetes tenuifolia* Cav.

Habitat not determined.

*Tamarix chinensis* Loureiro

Xeric Mountain Grass & Shrublands: Wetland  
Xeric Foothills, Breaks, & Plains Grass & Shrublands: Wetland

*Tamarix gallica* L.

Habitat not determined.

*Tamarix parviflora* DC.

Habitat not determined.

*Tamarix ramosissima* L.

Habitat not determined.

*Tanacetum vulgare* L.

**Mesic** Mountain Forest: Present  
Xeric Mountain Forest: Present  
Xeric Foothill & Break Forests: Present  
Mountain Grass & Shrublands: Present  
Xeric Mountain Grass & Shrublands: Present  
Xeric **Foothills, Breaks, & Plains** Grass & Shrublands: Present  
Tall Grass Prairie: Present

*Taraxacum laevigatum* (Willd.) DC.

Upper Subalpine Forest: Present  
Lower Subalpine Forest: Present  
**Mesic** Mountain Forest: Present  
Xeric Mountain Forest: Present  
Xeric Foothill & Break Forests: Present  
Subalpine Grass & Shrublands: Present  
**Mountain** Grass & Shrublands: Present  
Xeric Mountain Grass & Shrublands: Present  
Xeric Foothills, Breaks, & Plains Grass & Shrublands: Present  
Tall Grass Prairie: Present

*Taraxacum officinale* Weber

Alpine: Present  
Timberline: Present  
Upper Subalpine Forest: Present  
Lower Subalpine Forest: Present  
**Mesic** Mountain Forest: Present  
Xeric Mountain Forest: Present  
Xeric Foothill & Break Forests: Present  
Subalpine Grass & Shrublands: Present  
Mountain Grass & Shrublands: Present  
Xeric Mountain Grass & Shrublands: Present  
Xeric Foothills, Breaks, & Plains Grass & Shrublands: Present  
**Tall** Grass Prairie: Present

*Teucrium lucidum* L.

Habitat not determined.

*Thalictrum aquilegifolium* L.

Habitat not determined.

*Thesium linophyllum* L.

Tall Grass Prairie: Present

HABITAT INFORMATION FOR EXOTIC PLANT SPECIES OF THE COLUMBIA BASIN

324

*Thlaspi arvense* L.

- Mesic Mountain Forest: Present
- Xeric Mountain Forest: Present
- Xeric Foothill & Break Forests: Present
- Mountain Grass & Shrublands: Present
- Xeric Mountain Grass & Shrublands: Present
- Xeric Foothills, Breaks, & Plains Grass & Shrublands: Present
- Tall Grass Prairie: Present

*Thymus pscudolanuginosus* L.

Habitat not determined.

*Thymus serpyllum* L.

- Mesic Mountain Forest: Present
- Xeric Mountain Forest: Present
- Xeric Foothill & Break Forests: Present
- Mountain Grass & Shrublands: Present
- Xeric Mountain Grass & Shrublands: Present

*Tilia cordata* Mill.

Habitat not determined.

*Tilia platyphyllos* Scop.

Habitat not determined.

*Torilis arvensis* (Hudson) Link.

Habitat not determined.

*Trachidium caerulcum* L.

Habitat not determined.

*Tradescantia x andersoniana* W. Ludwig: & Rohw.

Habitat not determined.

*Tragopogon dubius* Scop.

- Mesic Mountain Forest: Present
- Xeric Mountain Forest: Present
- Xeric Foothill & Break Forests: Present
- Mountain Grass & Shrublands: Present
- Xeric Mountain Grass & Shrublands: Present
- Xeric Foothills, Breaks, & Plains Grass & Shrublands: Present
- Tall Grass Prairie: Present

*Tragopogon mirus* Ownby

- Xeric Foothill & Break Forests: Present
- Xeric Mountain Grass & Shrublands: Present

*Tragopogon miscellus* Ownby

- Xeric Mountain Forest: Present
- Xeric Foothill & Break Forests: Present
- Xeric Mountain Grass & Shrublands: Present

*Tragopogon porrifolius* L.

- Mesic Mountain Forest: Present
- Xeric Mountain Forest: Present
- Xeric Mountain Grass & Shrublands: Present
- Tall Grass Prairie: Present

*Tragopogon pratensis* L.

- Mesic Mountain Forest: Present
- Xeric Mountain Forest: Present
- Xeric Foothill & Break Forests: Present
- Mountain Grass & Shrublands: Present
- Xeric Mountain Grass & Shrublands: Present
- Xeric Foothills, Breaks, & Plains Grass & Shrublands: Present

HABITAT INFORMATION FOR EXOTIC PLANT SPECIES OF THE COLUMBIA BASIN

*Tribulus terrestris* L.

**Mesic** Mountain Forest: Present  
Xeric Mountain Forest: Present  
Xeric Foothill & Break Forests: Present  
Mountain Grass & Shrublands: Present  
Xeric Mountain Grass & Shrublands: Present  
Xeric **Footslopes, Breaks, & Plains** Grass & Shrublands: Present  
Tall Grass Prairie: Present

*Trifolium agrarium* L.

Mesic Mountain Forest: Present  
Xeric Mountain Forest: Present  
Xeric Foothill & Break Forests: Present  
Mountain Grass & Shrublands: Present  
Xeric Mountain Grass & Shrublands: Present

*Trifolium arvense* L.

Mesic Mountain Forest: Present  
Xeric Mountain Forest: Present  
Xeric Foothill & Break Forests: Present  
Mountain Grass & Shrublands: Present  
Xeric Mountain Grass & Shrublands: Present  
Xeric **Footslopes, Breaks, & Plains** Grass & Shrublands: **Present**

*Trifolium dubium* Sibth.

**Mesic** Mountain Forest: Present  
Xeric Mountain Forest: Present  
Xeric Foothill & **Break** Forests: Present  
Mountain Grass & Shrublands: **Present**  
Xeric Mountain Grass & Shrublands: Present  
Xeric Footslopes, Breaks, & Plains Grass & Shrublands: **Present**  
Tall Grass Prairie: Present

*Trifolium fragiferum* L.

**Mesic** Mountain Forest: Present  
Xeric Mountain Forest: Present  
Xeric Foothill & Break Forests: Present  
Mountain Grass & Shrublands: Present  
Xeric Mountain Grass & Shrublands: Present  
Xeric Footslopes, Breaks, & Plains Grass & Shrublands: **Present**

*Trifolium hybridum* L.

Mesic **Mountain** Forest: Present  
Xeric Mountain Forest: Present  
Xeric Foothill & Break Forests: Present  
Mountain Grass & Shrublands: Present  
Xeric Mountain Grass & Shrublands: Present  
Xeric Footslopes, Breaks, & Plains Grass & Shrublands: Present  
Tall Grass Prairie: **Present**

*Trifolium incarnatum* L.

**Mesic** Mountain Forest: Present  
Xeric Mountain Forest: Present  
Xeric Foothill & Break Forests: Present  
Mountain Grass & Shrublands: Present  
Xeric Mountain Grass & Shrublands: Present  
Tall Grass Prairie: Present

*Trifolium pratense* L.

**Mesic Mountain** Forest: Present  
Xeric Mountain **Forest: Present**  
Xeric Foothill & **Break** Forests: Present  
Mountain Grass & Shrublands: Present  
Xeric Mountain Grass & Shrublands: Present  
Xeric Footslopes, Breaks, & Plains Grass & Shrublands: Present  
Tall Grass Prairie: Present

HABITAT INFORMATION FOR EXOTIC PLANT SPECIES OF THE COLUMBIA BASIN

326

*Trifolium procumbens* L.

**Mesic** Mountain Forest: Present  
 Xeric Mountain Forest: Present  
 Xeric Foothill & Break Forests: Present  
 Mountain Grass & Shrublands: Present  
 Xeric Mountain Grass & Shrublands: Present  
 Tall Grass Prairie: Present

*Trifolium repens* L.

Lower Subalpine Forest: Present  
 Mesic Mountain Forest: Present  
 Xeric Mountain Forest: Present  
 Xeric Foothill & Break Forests: Present  
 Subalpine Grass & Shrublands: Present  
 Mountain Grass & Shrublands: Present  
 Xeric Mountain Grass & Shrublands: **Present**  
 Xeric Foothills, Breaks, & Plains Grass & Shrublands: Present  
 Tall Grass Prairie: Present

*Trifolium resupinatum* L.

Tall Grass Prairie: Present

*Trifolium subterraneum* L.

Habitat not determined.

*Triticum aestivum* L.

**Xeric** Mountain Forest: Disturbed ground, mechanical or **overgrazing**  
**Xeric** Foothill & Break Forests: Disturbed ground, mechanical Or **overgrazing**  
**Xeric** Mountain Grass & Shrublands: Disturbed ground, mechanical or **overgrazing**  
**Xeric** Foothills, Breaks, & Plains Grass & Shrublands: Disturbed ground, mechanical or **overgrazing**  
 Tall Grass Prairie: Disturbed ground, mechanical or Overgrazing

*Ulex europaeus* L.

Habitat not determined.

*Ulmus carpinifolia* Ruppis **ex Suckow.**

Habitat not determined.

*Ulmus davidiana* **Planch.**

Habitat not determined.

*Ulmus glabra* Huds.

Habitat not determined.

*Ulmus parviflora* **Jacq.**

Habitat not determined.

*Ulmus pumila* L.

**Mesic** Mountain Forest: Disturbed ground, mechanical or overgrazing  
**Xeric** Mountain Forest: Disturbed ground, mechanical or overgrazing  
**Xeric** Foothill & Break Forests: Disturbed ground, mechanical or overgrazing  
 Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
 Xeric Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing  
 Xeric Foothills, Breaks, & Plains Grass & Shrublands: Disturbed ground, **mechanical** or overgrazing  
 Tall Grass Prairie: Disturbed ground, mechanical or overgrazing

*Vaccaria pyramidata* Medic.

Mesic Mountain Forest: Present  
 Xeric Mountain Forest: **Present**  
 Xeric **Foothill & Break** Forests: Present  
 Mountain Grass & Shrublands: Present  
**Xeric** Mountain Grass & Shrublands: Present  
 Xeric Foothills, Breaks, & Plains Grass & Shrublands: Present  
 Tall Grass Prairie: **Present**

*Valeriana officinalis* L.

Mesic Mountain Forest: Present  
 Xeric Mountain Forest: Present  
 Mountain Grass & Shrublands: **Present**

HABITAT INFORMATION FOR EXOTIC PLANT SPECIES OF THE COLUMBIA BASIN

Valerianella carinata Loisel.

Xeric Mountain Forest: Present  
 Xeric Foothill & Break Forests: Present  
**Mountain Grass & Shrublands: Present**  
 Xeric Mountain Grass & Shrublands: Present

Valerianella locusta (L.) Betcke

**Mesic** Mountain Forest: **Present**  
 Xeric Mountain Forest: Present  
 Xeric Foothill & Break Forests: Present  
 Mountain Grass & Shrublands: Present  
 Xeric Mountain Grass & Shrublands: Present

Vernonia dubia (Leers) Coss. & Dur.

Xeric Mountain Forest: Disturbed ground, mechanical or overgrazing  
 Xeric Foothill & Break Forests: Disturbed ground, mechanical or overgrazing  
**Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing**  
 Xeric Mountain Grass & Shrublands: Disturbed ground, mechanical or overgrazing

Verbascum blattaria L.

**Mesic** Mountain Forest: **Present**  
 Xeric Mountain Forest: Present  
 Xeric Foothill & Break Forests: Present  
 Mountain Grass & Shrublands: Present  
 Xeric Mountain Grass & Shrublands: Present  
 Xeric Foothills, Breaks, & Plains Grass & Shrublands: Present

Verbascum thapsus L.

**Mesic** Mountain Forest: Present  
 Xeric Mountain Forest: Present  
 Xeric Foothill & Break Forests: Present  
 Mountain Grass & Shrublands: Present  
 Xeric Mountain Grass & Shrublands: Present  
 Xeric **Foothills, Breaks, & Plains Grass & Shrublands: Present**  
 Tall Grass Prairie: Present

Verbascum virgatum Stokes

Habitat not determined.

Verbena bracteata Lag. & Rodr.

**Mesic** Mountain Forest: **Present**  
 Xeric Mountain Forest: Present  
 Xeric Foothill & Break Forests: Present  
**Mountain Grass & Shrublands: Present**  
 Xeric Mountain Grass & Shrublands: Present  
 Xeric **Foothills, Breaks, & Plains Grass & Shrublands: Present**  
 Tall Grass Prairie: Present

Veronica anagallis-aquatica L.

**Mesic** Mountain Forest: Present  
 Xeric Mountain Forest: Present  
 Xeric Foothill & Break Forests: Present  
 Mountain Grass & Shrublands: Present  
 Xeric Mountain Grass & Shrublands: Present  
 Xeric Foothills, Breaks, & Plains Grass & Shrublands: Present  
 Tall Grass Prairie: Present

Veronica arvensis L.

**Mesic** Mountain Forest: Present  
 Xeric Mountain Forest: Present  
 Xeric Foothill & Break Forests: Present  
 Mountain Grass & Shrublands: Present  
 Xeric Mountain Grass & Shrublands: Present  
 Tall Grass Prairie: Present

Veronica biloba L.

Xeric **Foothill & Break Forests: Present**  
 Xeric Mountain Grass & Shrublands: Present

- ~ Veronica *chamadryis* L.
  - ~~Mesic~~ Mountain Forest: Present
  - Xeric Mountain Forest: Present
  - Xeric Foothill & Break Forests: Present
  - Mountain Grass & Shrublands: Present
  - Xeric Mountain Grass & Shrublands: Present

Veronica *filiformis* Sm.  
Habitat not determined.

Veronica *pentianoides* Vahl.  
Habitat not determined.

Veronica *longifolia* L.  
Xeric Foothill & Break Forests: Present  
Xeric Mountain Grass & Shrublands: Present  
Xeric Foothills, Breaks, & Plains Grass & Shrublands: Present  
Tall Grass Prairie: Present

Veronica *officinalis* L.  
~~Mesic~~ Mountain Forest: Present  
Xeric Mountain Forest: Present  
Xeric Foothill & Break Forests: Present  
Mountain Grass & Shrublands: Present  
Xeric Mountain Grass & Shrublands: Present  
Tall Grass Prairie: Present

- ~ Veronica *persica* Poir.
  - ~~Mesic~~ Mountain Forest: **Present**
  - Xeric Mountain Forest: Present
  - Xeric Foothill & Break Forests: Present
  - Mountain Grass & Shrublands: Present
  - Xeric Mountain Grass & Shrublands: Present

Veronica *serpyllifolia* L.  
**Upper** Subalpine Forest: Present  
Lower Subalpine Forest: Present  
~~Mesic~~ Mountain Forest: Present  
Xeric Mountain Forest: Present  
Xeric Foothill & Break Forests: Present  
Subalpine Grass & Shrublands: **Present**  
Mountain Grass & Shrublands: Present  
Xeric Mountain Grass & Shrublands: Present

Veronica *triphyllus* L.  
Habitat not determined.

Veronica *verna* L.  
~~Mesic~~ Mountain Forest: Present  
Xeric Mountain **Forest**: Present  
Xeric Foothill & Break Forests: Present  
Mountain Grass & Shrublands: Present  
Xeric Mountain Grass & Shrublands: Present

- ~ Viburnum *carlesii* Hcmsl.  
Habitat not determined.

Viburnum *dilatatum* Thunb.  
Habitat not determined.

Viburnum *lanata* L.  
Habitat not determined.

Viburnum *rhytidophyllum* Hcmsl.  
Habitat not determined.

Viburnum *tinus* L.  
Habitat not determined.

HABITAT INFORMATION FOR EXOTIC PLANT SPECIES OF THE COLUMBIA BASIN

Viburnum *x burkwoodii* Hart.  
Habitat not determined.

Vicia cracca L.  
Xeric Mountain Forest: Present  
Xeric Foothill & Break Forests: Present  
Mountain Grass & Shrublands: Present  
Xeric Mountain Grass & Shrublands: Present

Vicia faba L.  
Habitat not determined.

**Vicia sativa** L.  
**Mesic** Mountain Forest: Present  
Xeric Mountain Forest: **Present**  
Xeric Foothill & Break Forests: Present  
Mountain Grass & Shrublands: Present  
**Xeric** Mountain Grass & Shrublands: Present  
Xeric Foothills, Breaks, & Plains Grass & Shrublands: **Present**  
Tall Grass Prairie: Present

Vicia tetrasperma (L.) **Moench**  
**Mesic** Mountain Forest: Present  
Xeric Mountain Forest: Present  
**Xeric** Foothill & Break Forests: **Present**  
Mountain Grass & Shrublands: Present  
Xeric Mountain Grass & Shrublands: **Present**

Vicia **villosa** Roth  
**Mesic** Mountain Forest: Present  
**Xeric** Mountain Forest: Present  
**Xeric** Foothill & Break Forests: Present  
Mountain Grass & Shrublands: **Present**  
Xeric Mountain Grass & Shrublands: Present  
Xeric **Foothills, Breaks, & Plains** Grass & Shrublands: Present  
Tall Grass Prairie: **Present**

Vinca major L.  
**Habitat** not determined.

Viola **arvensis** Murr.  
Mesic Mountain Forest: Present  
**Xeric** Mountain Forest: **Present**

Viola **lancoolata** L.  
Habitat not determined.

Viola odorata L.  
Habitat not determined.

Vitis **vinifera** L.  
Habitat not determined.

Xanthium spinosum L.  
Mesic Mountain Forest: Present  
Xeric Mountain Forest: **Present**  
Xeric Foothill & Break Forests: **Present**  
Mountain Grass & Shrublands: **Present**  
Xeric Mountain Grass & Shrublands: Present

Zoysia tenuifolia **Willd. ex** Trin.  
Habitat not determined.

**Zygophyllum fabago** L.  
● Mesic Mountain Forest: Present  
Xeric Mountain Forest: Present  
Xeric Foothill & Break Forests: Present  
Mountain Grass & Shrublands: Present  
Xeric Mountain Grass & Shrublands: Present