

Mean areal cover of all successfully identified species on the Lubrecht FFS study treatment units before treatment and in 2004 (3 years after harvest and 2 years after burning). A standard error ( $n = 3$ ) is provided in parentheses. Rarity of species and the large area over which the samples were taken has resulted in mean covers of <0.00% for some species.

Common name	Scientific name	Pretreatment mean % cover (standard error)				2004 mean % cover (standard error)			
		Control	Burn-only	Thin-only	Thin-burn	Control	Burn-only	Thin-only	Thin-burn
common yarrow	<i>Achillea millefolium</i>	0.20 (0.04)	0.21 (0.07)	0.20 (0.02)	0.24 (0.03)	0.40 (0.05)	0.46 (0.14)	0.52 (0.05)	0.75 (0.13)
western needlegrass	<i>Achnatherum occidentale</i>	0.00 (0.00)	0.01 (0.01)	0.00 (0.00)	0.00 (0.00)	0.03 (0.03)	0.04 (0.03)	0.01 (0.00)	0.06 (0.05)
Richardson needlegrass	<i>Achnatherum richardsonii</i>	0.07 (0.03)	0.15 (0.14)	0.11 (0.02)	0.21 (0.13)	0.19 (0.07)	0.18 (0.17)	0.17 (0.05)	0.27 (0.2)
pale agoseris	<i>Agoseris glauca</i>	0.02 (0.02)	0.02 (0.02)	0.01 (0.01)	0.00 (0.00)	0.01 (0.01)	0.03 (0.03)	0.02 (0.02)	0.01 (0.01)
rough bentgrass	<i>Agrostis scabra</i>	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.01 (0.00)	0.01 (0.01)	0.02 (0.00)	0.06 (0.03)
onion	<i>Allium</i> spp.	0.02 (0.01)	0.05 (0.03)	0.01 (0.01)	0.04 (0.04)	0.09 (0.06)	0.13 (0.06)	0.06 (0.02)	0.11 (0.09)
Saskatoon serviceberry	<i>Amelanchier alnifolia</i>	0.07 (0.04)	0.08 (0.05)	0.22 (0.13)	0.2 (0.13)	0.07 (0.02)	0.05 (0.02)	0.18 (0.07)	0.11 (0.05)
pearly everlasting	<i>Anaphalis margaritacea</i>	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)
Pacific anemone	<i>Anemone multifida</i>	0.04 (0.04)	0.09 (0.06)	0.01 (0.00)	0.05 (0.05)	0.04 (0.03)	0.11 (0.09)	0.02 (0.01)	0.10 (0.10)
pearly pussytoes	<i>Antennaria anaphaloides</i>	0.01 (0.01)	0.00 (0.00)	0.01 (0.00)	0.02 (0.02)	0.02 (0.02)	0.01 (0.01)	0.03 (0.01)	0.02 (0.01)
raceme pussytoes	<i>Antennaria racemosa</i>	0.07 (0.05)	0.13 (0.10)	0.13 (0.13)	0.13 (0.13)	0.12 (0.09)	0.12 (0.10)	0.13 (0.11)	0.05 (0.05)
pussytoes	<i>Antennaria</i> spp.	0.14 (0.01)	0.14 (0.06)	0.34 (0.13)	0.35 (0.12)	0.38 (0.04)	0.44 (0.11)	0.41 (0.09)	0.54 (0.17)
dense silkybent	<i>Apera interrupta</i>	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.01 (0.01)
spreading dogbane	<i>Apocynum androsaemifolium</i>	0.24 (0.19)	0.21 (0.08)	1.04 (0.49)	1.27 (0.86)	0.76 (0.39)	1.08 (0.21)	1.08 (0.48)	1.79 (0.69)
Holboell's rockcress	<i>Arabis holboellii</i>	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.01 (0.00)	0.03 (0.01)	0.02 (0.00)	0.04 (0.02)
rockcress	<i>Arabis</i> spp.	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.01 (0.01)	0.00 (0.00)	0.00 (0.00)
kinnikinnick	<i>Arctostaphylos uva-ursi</i>	0.90 (0.36)	0.65 (0.26)	1.43 (0.58)	1.73 (0.96)	1.08 (0.43)	0.62 (0.28)	2.18 (0.95)	1.06 (0.31)
thymeleaf sandwort	<i>Arenaria serpyllifolia</i>	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)
arnica	<i>Arnica</i> spp.	3.77 (0.79)	3.21 (0.14)	4.15 (0.83)	4.39 (1.38)	5.25 (0.96)	3.74 (0.70)	4.14 (1.14)	3.32 (1.28)

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		Control	Burn-only	Thin-only	Thin-burn	Control	Burn-only	Thin-only	Thin-burn
mountain big sagebrush	<i>Artemisia tridentata</i> ssp. <i>vaseyana</i>	0.00 (0.00)	0.02 (0.02)	0.00 (0.00)	0.02 (0.02)	0.00 (0.00)	0.02 (0.02)	0.00 (0.00)	0.00 (0.00)
timber milkvetch	<i>Astragalus miser</i>	0.04 (0.04)	0.00 (0.00)	0.00 (0.00)	0.01 (0.01)	0.04 (0.04)	0.00 (0.00)	0.03 (0.03)	0.05 (0.05)
arrowleaf balsamroot	<i>Balsamorhiza sagittata</i>	0.38 (0.38)	0.41 (0.41)	0.33 (0.32)	0.08 (0.08)	0.53 (0.53)	0.34 (0.34)	0.35 (0.32)	0.03 (0.03)
nodding brome	<i>Bromus anomalus</i>	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.01 (0.01)	0.00 (0.00)	0.00 (0.00)	0.01 (0.01)
cheatgrass	<i>Bromus tectorum</i>	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.01 (0.01)	0.00 (0.00)	0.00 (0.00)	0.01 (0.01)
purple pinegrass	<i>Calamagrostis purpurascens</i>	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.02 (0.02)	0.00 (0.00)	0.00 (0.00)
pinegrass	<i>Calamagrostis rubescens</i>	1.61 (0.18)	1.36 (0.34)	2.22 (0.96)	1.84 (0.47)	0.87 (0.08)	0.92 (0.16)	1.49 (0.25)	1.55 (0.23)
mariposa lily	<i>Calochortus</i> spp.	0.04 (0.03)	0.08 (0.05)	0.02 (0.01)	0.04 (0.03)	0.12 (0.05)	0.21 (0.14)	0.23 (0.07)	0.22 (0.11)
small camas	<i>Camassia quamash</i>	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.01 (0.01)	0.00 (0.00)
bluebell bellflower	<i>Campanula rotundifolia</i>	0.00 (0.00)	0.00 (0.00)	0.01 (0.00)	0.00 (0.00)	0.04 (0.04)	0.02 (0.02)	0.02 (0.01)	0.01 (0.01)
musk thistle	<i>Carduus nutans</i>	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.05 (0.02)
northwestern sedge	<i>Carex concinnaoides</i>	0.11 (0.04)	0.05 (0.03)	0.10 (0.05)	0.04 (0.02)	0.26 (0.10)	0.16 (0.07)	0.30 (0.09)	0.20 (0.06)
Geyer's sedge	<i>Carex geyeri</i>	1.17 (0.64)	0.50 (0.07)	0.55 (0.06)	0.53 (0.21)	0.84 (0.16)	0.51 (0.12)	0.80 (0.17)	0.61 (0.09)
Nebraska sedge	<i>Carex nebrascensis</i>	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.01 (0.01)	0.00 (0.00)
chamisso sedge	<i>Carex pachystachya</i>	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)
Ross' sedge	<i>Carex rossii</i>	0.04 (0.02)	0.01 (0.01)	0.03 (0.00)	0.10 (0.03)	0.10 (0.03)	0.09 (0.02)	0.11 (0.01)	0.34 (0.06)
sulphur Indian paintbrush	<i>Castilleja sulphurea</i>	0.02 (0.01)	0.01 (0.00)	0.04 (0.02)	0.02 (0.02)	0.04 (0.02)	0.02 (0.01)	0.08 (0.02)	0.02 (0.01)
snowbrush ceanothus	<i>Ceanothus velutinus</i>	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.25 (0.25)	0.01 (0.01)	0.00 (0.00)	0.01 (0.01)	0.01 (0.01)

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spotted knapweed	<i>Centaurea maculosa</i>	0.00 (0.00)	0.03 (0.03)	0.29 (0.29)	0.01 (0.00)	0.02 (0.01)	0.06 (0.05)	0.09 (0.09)	0.06 (0.04)
fireweed	<i>Chamerion angustifolium</i>	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.14 (0.13)	0.01 (0.00)	0.08 (0.05)
prince's-pine	<i>Chimaphila umbellata</i>	0.00 (0.00)	0.02 (0.02)	0.04 (0.04)	0.01 (0.00)	0.01 (0.01)	0.02 (0.02)	0.02 (0.02)	0.00 (0.00)
Canada thistle	<i>Cirsium arvense</i>	0.00 (0.00)	0.00 (0.00)	0.05 (0.05)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.03 (0.03)	0.13 (0.10)
bull thistle	<i>Cirsium vulgare</i>	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.01 (0.01)	0.07 (0.07)	0.03 (0.02)	0.74 (0.39)
miner's-lettuce	<i>Claytonia perfoliata</i>	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.02 (0.01)	0.00 (0.00)	0.02 (0.01)
blue virgin's bower	<i>Clematis occidentalis</i>	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)
blue-eyed Mary	<i>Collinsia parviflora</i>	0.03 (0.01)	0.02 (0.01)	0.01 (0.00)	0.01 (0.01)	0.24 (0.12)	0.38 (0.07)	0.27 (0.09)	0.37 (0.12)
tiny trumpet	<i>Collomia linearis</i>	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.10 (0.08)	0.06 (0.03)	0.08 (0.05)	0.07 (0.03)
Canadian horseweed	<i>Conyza canadensis</i>	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.01 (0.01)
black hawthorn	<i>Crataegus douglasii</i>	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.01 (0.01)
quill cryptantha	<i>Cryptantha affinis</i>	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.03 (0.02)	0.03 (0.02)	0.02 (0.01)	0.05 (0.04)
houndstongue	<i>Cynoglossum officinale</i>	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.01 (0.01)	0.00 (0.00)
mountain lady-slipper	<i>Cypripedium montanum</i>	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)
California oatgrass	<i>Danthonia californica</i>	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)
timber oatgrass	<i>Danthonia intermedia</i>	0.04 (0.03)	0.02 (0.02)	0.02 (0.01)	0.01 (0.01)	0.09 (0.07)	0.11 (0.09)	0.08 (0.03)	0.14 (0.12)
onespike oatgrass	<i>Danthonia unispicata</i>	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.02 (0.01)	0.01 (0.00)	0.00 (0.00)	0.02 (0.01)
mountain tansymustard	<i>Descurainia incana</i>	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)
roughfruit fairybells	<i>Disporum trachycarpum</i>	0.00 (0.00)	0.00 (0.00)	0.02 (0.02)	0.02 (0.02)	0.00 (0.00)	0.00 (0.00)	0.01 (0.01)	0.02 (0.02)



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Virginia strawberry	<i>Fragaria virginiana</i>	0.26 (0.08)	0.39 (0.25)	0.59 (0.22)	0.63 (0.30)	0.50 (0.19)	0.51 (0.27)	0.62 (0.16)	0.55 (0.18)
yellow fritillary	<i>Fritillaria pudica</i>	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)
northern bedstraw	<i>Galium boreale</i>	0.05 (0.05)	0.01 (0.01)	0.01 (0.01)	0.10 (0.09)	0.16 (0.15)	0.03 (0.03)	0.02 (0.02)	0.19 (0.19)
deceptive groundsmoke	<i>Gayophytum decipiens</i>	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.02 (0.01)	0.02 (0.01)	0.05 (0.02)	0.05 (0.02)
autumn dwarf gentian	<i>Gentianella amarella</i>	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.04 (0.04)	0.02 (0.02)
sticky purple geranium	<i>Geranium viscosissimum</i>	0.02 (0.02)	0.02 (0.02)	0.03 (0.03)	0.04 (0.04)	0.07 (0.07)	0.01 (0.01)	0.03 (0.01)	0.04 (0.04)
old man's whiskers	<i>Geum triflorum</i>	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)
rattlesnake plantain	<i>Goodyera oblongifolia</i>	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)
hairy false goldenaster	<i>Heterotheca villosa</i>	0.01 (0.01)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.02 (0.01)	0.00 (0.00)	0.01 (0.01)	0.00 (0.00)
roundleaf alumroot	<i>Heuchera cylindrica</i>	0.02 (0.01)	0.01 (0.00)	0.05 (0.03)	0.04 (0.03)	0.04 (0.02)	0.03 (0.00)	0.07 (0.04)	0.02 (0.02)
white hawkweed	<i>Hieracium albiflorum</i>	0.00 (0.00)	0.01 (0.01)	0.01 (0.01)	0.01 (0.00)	0.03 (0.02)	0.08 (0.06)	0.07 (0.04)	0.12 (0.10)
Canadian hawkweed	<i>Hieracium canadense</i>	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)
houndstongue hawkweed	<i>Hieracium cynoglossoides</i>	0.11 (0.06)	0.13 (0.06)	0.14 (0.03)	0.16 (0.09)	0.15 (0.07)	0.16 (0.07)	0.18 (0.02)	0.08 (0.05)
oceanspray	<i>Holodiscus discolor</i>	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)
mountain rush	<i>Juncus balticus</i> subsp. <i>littoralis</i>	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.01 (0.01)	0.00 (0.00)
common juniper	<i>Juniperus communis</i>	0.42 (0.42)	0.00 (0.00)	0.11 (0.11)	0.00 (0.00)	0.29 (0.29)	0.00 (0.00)	0.09 (0.09)	0.00 (0.00)
Rocky Mountain juniper	<i>Juniperus scopulorum</i>	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.25 (0.24)	0.00 (0.00)	0.00 (0.00)	0.01 (0.01)	0.00 (0.00)
prairie Junegrass	<i>Koeleria macrantha</i>	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.01 (0.01)	0.03 (0.01)	0.03 (0.02)	0.04 (0.02)	0.12 (0.10)
prickly lettuce	<i>Lactuca serriola</i>	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.01 (0.01)	0.00 (0.00)	0.01 (0.01)

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western larch	<i>Larix occidentalis</i>	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.01 (0.01)	0.00 (0.00)	0.00 (0.00)
northern linanthus	<i>Linanthus septentrionalis</i>	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.01 (0.01)	0.00 (0.00)	0.01 (0.01)	0.03 (0.02)
twinflower	<i>Linnaea borealis</i>	0.00 (0.00)	0.05 (0.05)	0.43 (0.43)	0.13 (0.13)	0.01 (0.01)	0.09 (0.09)	0.19 (0.19)	0.04 (0.04)
western stoneseed	<i>Lithospermum ruderale</i>	0.01 (0.01)	0.01 (0.01)	0.01 (0.01)	0.02 (0.02)	0.04 (0.04)	0.02 (0.02)	0.03 (0.03)	0.09 (0.09)
field cottonrose	<i>Logfia arvensis</i>	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.06 (0.06)	0.00 (0.00)	0.09 (0.04)
nineleaf biscuitroot	<i>Lomatium triternatum</i>	0.03 (0.02)	0.03 (0.02)	0.02 (0.01)	0.01 (0.00)	0.12 (0.08)	0.12 (0.06)	0.18 (0.05)	0.16 (0.02)
silvery lupine	<i>Lupinus argenteus</i>	0.59 (0.38)	0.33 (0.18)	1.19 (0.52)	0.24 (0.16)	0.66 (0.50)	0.35 (0.14)	1.50 (0.68)	0.12 (0.07)
field woodrush	<i>Luzula campestris</i>	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.02 (0.00)	0.00 (0.00)	0.04 (0.01)	0.03 (0.01)
creeping barberry	<i>Mahonia repens</i>	1.66 (0.48)	1.84 (0.86)	3.08 (0.64)	2.65 (1.61)	1.92 (0.58)	3.08 (1.60)	2.29 (0.53)	3.8 (2.29)
false Solomon's-seal	<i>Maianthemum racemosum</i>	0.01 (0.01)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.01 (0.01)	0.01 (0.01)	0.00 (0.00)
narrowleaf cowwheat	<i>Melampyrum lineare</i>	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)
Alaska oniongrass	<i>Melica subulata</i>	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)
nodding microceris	<i>Microseris nutans</i>	0.01 (0.00)	0.02 (0.01)	0.00 (0.00)	0.00 (0.00)	0.06 (0.05)	0.12 (0.04)	0.07 (0.03)	0.08 (0.05)
narrowleaf minerslettuce	<i>Montia linearis</i>	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.03 (0.02)	0.00 (0.00)	0.03 (0.03)
strict forget-me-not	<i>Myosotis stricta</i>	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.01 (0.00)	0.01 (0.01)	0.00 (0.00)	0.03 (0.01)
thinleaved owl's clover	<i>Orthocarpus tenuifolius</i>	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.01 (0.01)	0.00 (0.00)	0.00 (0.00)
sweetcicely	<i>Osmorhiza berteroi</i>	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.04 (0.04)	0.01 (0.00)	0.00 (0.00)	0.01 (0.01)	0.03 (0.03)
woolly groundsel	<i>Packera cana</i>	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.01 (0.01)	0.00 (0.00)



Mean areal cover of all successfully identified species on the Lubrecht FFS study treatment units before treatment and in 2004 (3 years after harvest and 2 years after burning). A standard error ( $n = 3$ ) is provided in parentheses. Rarity of species and the large area over which the samples were taken has resulted in mean covers of <0.00% for some species.

Common name	Scientific name	Pretreatment mean % cover (standard error)				2004 mean % cover (standard error)			
		Control	Burn-only	Thin-only	Thin-burn	Control	Burn-only	Thin-only	Thin-burn
Wright's cudweed	<i>Pseudognaphalium canescens</i>	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.02 (0.00)
bluebunch wheatgrass	<i>Pseudoroegneria spicata</i>	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.01 (0.01)	0.02 (0.02)
Rocky Mountain Douglas-fir	<i>Pseudotsuga menziesii</i> var. <i>glauca</i>	1.77 (1.05)	1.85 (0.81)	1.53 (0.85)	1.61 (1.03)	1.28 (0.56)	0.53 (0.21)	0.94 (0.48)	0.32 (0.27)
green-flowered wintergreen	<i>Pyrola chlorantha</i>	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)
sidebells wintergreen	<i>Pyrola secunda</i>	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.01 (0.01)	0.01 (0.01)	0.00 (0.00)
sharpleaf buttercup	<i>Ranunculus acriformis</i>	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.01 (0.01)	0.00 (0.00)
Woods' rose	<i>Rosa woodsii</i>	0.08 (0.04)	0.23 (0.12)	0.39 (0.11)	0.61 (0.32)	0.13 (0.07)	0.22 (0.12)	0.24 (0.11)	0.36 (0.20)
Common sheep sorrel	<i>Rumex acetosella</i>	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.14 (0.14)
Scouler's willow	<i>Salix scouleriana</i>	0.08 (0.06)	0.02 (0.02)	0.10 (0.05)	0.08 (0.05)	0.04 (0.02)	0.01 (0.00)	0.06 (0.03)	0.01 (0.01)
wormleaf stonecrop	<i>Sedum stenopetalum</i>	0.08 (0.04)	0.09 (0.03)	0.07 (0.01)	0.06 (0.03)	0.18 (0.08)	0.19 (0.06)	0.17 (0.01)	0.07 (0.03)
lambstongue ragwort	<i>Senecio integerrimus</i>	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.01 (0.01)	0.00 (0.00)	0.01 (0.01)
russet buffaloberry	<i>Shepherdia canadensis</i>	0.14 (0.11)	0.00 (0.00)	0.34 (0.27)	0.19 (0.10)	0.05 (0.04)	0.00 (0.00)	0.13 (0.09)	0.01 (0.01)
Menzies' campion	<i>Silene menziesii</i>	0.05 (0.02)	0.02 (0.01)	0.01 (0.00)	0.01 (0.01)	0.11 (0.08)	0.04 (0.02)	0.03 (0.02)	0.04 (0.03)
Missouri goldenrod	<i>Solidago missouriensis</i>	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)
Rocky Mountain goldenrod	<i>Solidago multiradiata</i>	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.01 (0.01)	0.03 (0.02)	0.03 (0.02)
white spirea	<i>Spiraea betulifolia</i>	2.04 (1.09)	2.81 (1.88)	3.30 (1.29)	3.32 (1.65)	2.58 (1.59)	3.14 (2.11)	4.07 (1.88)	3.37 (1.63)
hooded ladies-tresses	<i>Spiranthes romanzoffiana</i>	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.01 (0.00)	0.01 (0.01)	0.01 (0.01)	0.02 (0.01)
common snowberry	<i>Symphoricarpos albus</i>	3.59 (1.41)	3.50 (0.82)	3.01 (0.54)	3.55 (0.77)	3.97 (1.69)	3.59 (0.72)	3.21 (0.70)	2.73 (0.51)



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Common name	Scientific name	Pretreatment mean % cover (standard error)				2004 mean % cover (standard error)			
		Control	Burn-only	Thin-only	Thin-burn	Control	Burn-only	Thin-only	Thin-burn
western aster	<i>Symphotrichum ascendens</i>	0.05 (0.03)	0.12 (0.07)	0.14 (0.07)	0.08 (0.05)	0.15 (0.09)	0.19 (0.11)	0.17 (0.09)	0.21 (0.10)
common dandelion	<i>Taraxacum officinale</i>	0.04 (0.02)	0.04 (0.03)	0.06 (0.02)	0.09 (0.06)	0.12 (0.07)	0.16 (0.08)	0.16 (0.07)	0.28 (0.12)
western meadow-rue	<i>Thalictrum occidentale</i>	0.27 (0.14)	0.03 (0.03)	0.47 (0.30)	0.65 (0.63)	0.18 (0.10)	0.03 (0.02)	0.27 (0.19)	0.30 (0.29)
field pennycress	<i>Thlaspi arvense</i>	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)
yellow salsify	<i>Tragopogon dubius</i>	0.01 (0.01)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.02 (0.02)	0.01 (0.01)	0.02 (0.01)	0.02 (0.02)
clover	<i>Trifolium</i> spp.	0.02 (0.02)	0.00 (0.00)	0.04 (0.04)	0.05 (0.03)	0.03 (0.01)	0.02 (0.01)	0.10 (0.10)	0.26 (0.15)
tall trisetum	<i>Trisetum canescens</i>	0.01 (0.01)	0.00 (0.00)	0.00 (0.00)	0.02 (0.02)	0.03 (0.02)	0.01 (0.00)	0.03 (0.02)	0.07 (0.04)
spike trisetum	<i>Trisetum spicatum</i>	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.01 (0.01)	0.00 (0.00)
dwarf huckleberry	<i>Vaccinium caespitosum</i>	0.54 (0.35)	0.30 (0.20)	0.60 (0.29)	0.42 (0.24)	0.80 (0.50)	0.37 (0.20)	0.60 (0.25)	0.42 (0.36)
big huckleberry	<i>Vaccinium membranaceum</i>	0.32 (0.23)	0.15 (0.13)	0.50 (0.48)	0.45 (0.27)	0.41 (0.25)	0.27 (0.21)	0.49 (0.49)	0.33 (0.23)
woods valerian	<i>Valeriana dioica</i>	0.02 (0.01)	0.00 (0.00)	0.13 (0.13)	0.02 (0.02)	0.03 (0.01)	0.01 (0.01)	0.12 (0.12)	0.05 (0.04)
common mullein	<i>Verbascum thapsus</i>	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.01 (0.00)	0.28 (0.13)
hookspur violet	<i>Viola adunca</i>	0.01 (0.01)	0.00 (0.00)	0.04 (0.03)	0.06 (0.03)	0.06 (0.03)	0.01 (0.01)	0.07 (0.05)	0.13 (0.06)
meadow deathcamas	<i>Zigadenus venenosus</i>	0.02 (0.01)	0.04 (0.02)	0.01 (0.00)	0.02 (0.01)	0.10 (0.08)	0.11 (0.05)	0.08 (0.04)	0.11 (0.07)