

| Integrated Pest Management Timeline | | | | | | | | | | | | | | | | |
|-------------------------------------|------------|---|------|------|------|-----|------|------|------|-------|------|------|------|--|--|--|
| Weed | I.P.M. | Jan. | Feb. | Mar. | Apr. | May | Jun. | Jul. | Aug. | Sept. | Oct. | Nov. | Dec. | | | |
| Russian Thistle | Chemical | RangeStar herbicide can be applied at a rate of 2 pints/acre during the rosette stage. 2,4-D Amine can be applied at a rate of 2 to 4 pints/acre. (Always refer to the herbicide label). | | | ■ | ■ | ■ | ■ | ■ | ■ | | | | | | |
| | Mechanical | | | | | | | | | | | | | | | |
| | Cultural | | | | | | | | | | | | | | | |
| Prickly Pear | Chemical | See herbicide label for rates. | | | | ■ | ■ | ■ | ■ | | | | | | | |
| | Mechanical | | | | | | | | | | | | | | | |
| Tree of Heaven | Chemical | A foliar application of glyphosate (RoundUp) mixed at a 2% solution plus a non-ionic surfactant is used when controlling this weed. | | | ■ | ■ | ■ | ■ | ■ | ■ | ■ | | | | | |
| | Mechanical | | | | | | | | | | | | | | | |
| Kochia | Chemical | Vista herbicide used at the higher rate (1 1/3 pint/acre) plus Methylated Seed Oil Surfactant (MSO) is recommended. | | | ■ | ■ | ■ | ■ | ■ | ■ | | | | | | |
| | Mechanical | | | | | | | | | | | | | | | |
| | Cultural | | | | | | | | | | | | | | | |
| Puncture-vine | Chemical | 2,4-D, glyphosate, and dicamba can be applied when plant is young and just emerging. RoundUp Pro is effective at a 5-10% solution. The Puncturevine weevil is effective in destroying the roots. | | | ■ | ■ | ■ | ■ | ■ | | | | | | | |
| | Biological | | | | | | | | | | | | | | | |
| | Mechanical | | | | | | | | | | | | | | | |
| | Cultural | | | | | | | | | | | | | | | |
| Rubber Rabbit Brush | Chemical | If stems are less than 6 inches in diameter, a basal treatment applied about 12 inches from the ground can be used. See herbicide label for rates and application methods. | | | | ■ | ■ | ■ | ■ | ■ | | | | | | |
| | Mechanical | | | | | | | | | | | | | | | |
| | Cultural | | | | | | | | | | | | | | | |
| Oak Brush | Chemical | Garlan 3A can be used at a 1% - 3% solution with a non-ionic surfactant. Remedy can also be used as a foliar application when mixed at a 2% - 4% solution or (when mixed with vegetable or mineral oil) as a basal treatment at a 2% - 3% solution. | | | ■ | ■ | ■ | ■ | ■ | ■ | | | | | | |
| | Mechanical | | | | | | | | | | | | | | | |
| | Cultural | | | | | | | | | | | | | | | |

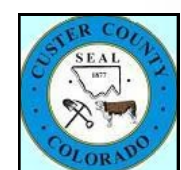
| LEGEND | | | | | | | | | |
|--------|--|--|---|--|---|--|---|--|--|
| | Garlon / tricolpyr | | Pathfinder / triclopyr | | Vista / fluroxypyr | | Landmaster / glyphosate + 2,4-D | | Remedy / triclopyr |
| | Habitat/Imazapyr | | Plateau / imazapic | | Roundup / Glyphosate | | Rangestar / Dicamba + 2,4-D | | Milestone / aminopyralid |
| | Transline / Clopyralid | | Escort XP / metsulfuron | | Telar XP / chlorsulfuron | | Curtial / clopyralid + 2,4-D | | 2, 4-D Ester |
| | Puncturevine Weevil "M. lypiformis" | | Mowing | | Hand-Pull | | Tilling | | Prescribed Burn |
| | Leafy Spurge Flea Beetle: aptonia spp. | | Tamarisk Beetle: Diorhabda spp. | | Thistle Seed Head Beetle "rhinocyllus conicus" | | Sever root below ground or uproot with a shovel or hoe. | | Prevent seed formation by eliminating seed heads. |
| | Bulldozers & Hydro-axes. | | Aerial application for large areas of Tamarisk & Russian Olive. | | Pull with weed wrench when small or with a tractor when larger. | | Seed & sow grasses. Keep irrigated to promote competition. Don't overgraze. | | Cut-Stump: 2" from ground & immediately apply herbicide. |

WEED MANAGEMENT PREFERENCES

Developed by Fremont County Weed Management for Fremont, Custer, & Surrounding Counties
April 2015



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|-------------------------------------|------------|---|------|------|------|-----|------|------|------|-------|------|------|------|
| Weed | I.P.M. | Jan. | Feb. | Mar. | Apr. | May | Jun. | Jul. | Aug. | Sept. | Oct. | Nov. | Dec. |
| Leafy Spurge | Chemical | Apply herbicides in spring when true flowers emerge. Effective herbicide control may take several years. | | | ■ | ■ | ■ | | ■ ■ | | | | |
| | Biological | | | | | | | | | | | | |
| | Cultural | | | | | | | | | | | | |
| Myrtle Spurge | Chemical | C.S.U. has suggested that RangeStar or 2,4-D Ester at 1 1/2 lbs./acre a.e. will control Myrtle Spurge. Also control by pulling or digging with gloves. | | | ■ ■ | ■ ■ | ■ ■ | ■ ■ | ■ ■ | | | | |
| | Mechanical | | | | 👤 | 👤 | 👤 | 👤 | 👤 | 👤 | | | |
| Canada Thistle | Chemical | The most effective method is application of Milestone following flowering. Milestone can also be used one month after mowing. Curtail and Transline are effective when plants have emerged in the Spring. | | | | | ■ ■ | ■ ■ | ■ ■ | ■ ■ | | | |
| | Mechanical | | | | | | | | | | | | |
| | Cultural | | | | | | | | | | | | |
| Musk Thistle | Chemical | Apply herbicides before bolting and no later than when developed terminal flowers open to dime size. With Musk Thistle, it is important to prevent seed formation as well. | | | | | ■ ■ | ■ ■ | ■ ■ | | | | |
| | Biological | | | | | | | | | | | | |
| | Mechanical | | | | | | | | | | | | |
| | Cultural | | | | | | | | | | | | |
| Bull Thistle | Chemical | Apply herbicides before bolting and no later than when developed terminal flowers open to dime size. | | | | | ■ ■ | ■ ■ | ■ ■ | | | | |
| | Biological | | | | | | | | | | | | |
| | Mechanical | | | | | | | | | | | | |
| | Cultural | | | | | | | | | | | | |
| Scotch Thistle | Chemical | Apply herbicides before bolting and no later than when developed terminal flowers open to dime size. | | | | | ■ ■ | ■ ■ | ■ ■ | | | | |
| | Biological | | | | | | | | | | | | |
| | Mechanical | | | | | | | | | | | | |
| | Cultural | | | | | | | | | | | | |
| Perennial Sowthistle | Chemical | Tilling is best when plant is just emerging. Herbicides are best applied when plants are in seeding or early bud stage. | | | ■ ■ | ■ ■ | ■ ■ | ■ ■ | ■ ■ | | | | |
| | Mechanical | | | | | | | | | | | | |
| Russian Knapweed | Chemical | RangeStar can be applied at any time during active growing. Telar and Milestone should be applied at bloom to post-bloom stages. | | | | | ■ ■ | ■ ■ | ■ ■ | ■ ■ | ■ ■ | ■ ■ | |
| | Mechanical | | | | | | | | | | | | |
| | Cultural | | | | | | | | | | | | |
| Spotted Knapweed | Chemical | | | | | | ■ ■ | ■ ■ | ■ ■ | ■ ■ | ■ ■ | ■ ■ | |
| | Cultural | | | | | | | | | | | | |
| Diffuse Knapweed | Chemical | | | | | | ■ ■ | ■ ■ | ■ ■ | ■ ■ | ■ ■ | ■ ■ | |
| | Cultural | | | | | | | | | | | | |

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| Weed | I.P.M. | Jan. | Feb. | Mar. | Apr. | May | Jun. | Jul. | Aug. | Sept. | Oct. | Nov. | Dec. |
| Yellow Toadflax | Chemical | A combination of mowing and chemical treatment applied at flowering over a period of several years is best for this weed. | | | | ■ ■ | ■ ■ | ■ ■ | ■ ■ | ■ ■ | | | |
| | Mechanical | | | | | | | | | | | | |
| Dalmatian Toadflax | Chemical | Escort & Telar can be used in the fall. Due to the waxy leaves, a non-ionic surfactant is recommended. | | | | ■ ■ | ■ ■ | ■ ■ | ■ ■ | ■ ■ | | | |
| | Cultural | | | | | | | | | | | | |
| Perennial Pepperweed | Chemical | Mowing can be done periodically and controlled burning in the Spring. It is best to treat with Escort XP as soon as found. | | | ■ ■ | ■ ■ | ■ ■ | ■ ■ | ■ ■ | ■ ■ | ■ ■ | ■ ■ | |
| | Mech./Cult. | | | | | | | | | | | | |
| Hounds-tongue | Chemical | Mowing 2nd year plants during flowering (before seed production) is useful. Chemical applications are best in Spring (rosettes to 10 inches tall). | | | ■ ■ | ■ ■ | ■ ■ | ■ ■ | ■ ■ | | | | |
| | Mechanical | | | | | | | | | | | | |
| Hoary Cress or "White Top" | Chemical | Mowing several times a year is helpful and may make herbicide applications more effective. Telar or Escort are best, but may need several applications. | | | ■ ■ | ■ ■ | ■ ■ | ■ ■ | ■ ■ | | | | |
| | Mechanical | | | | | | | | | | | | |
| Field Bindweed | Chemical | Grasses are a good competitor. Mowing and pulling are usually ineffective unless cut below the surface in the early seedling stage. Herbicides can be applied in Spring, at or just after full bloom, or in the fall. | | | | | ■ ■ | ■ ■ | ■ ■ | ■ ■ | ■ ■ | | |
| | Mechanical | | | | 👤 | 👤 | 👤 | 👤 | 👤 | 👤 | 👤 | | |
| | Cultural | | | | | | | | | | | | |
| Salt Cedar or Tamarisk | Chemical | Bulldozer & Hydro-axe methods must be followed by next-season herbicide treatment. It is best to treat in late summer or early fall. Cut-stump or foliar apps. are acceptable. | | | | | | | | | | | |
| | Biological | | | | | | | | | | | | |
| | Mech./Cult. | | | | | | | | | | | | |
| Russian Olive | Chemical | Remove (or pull) before seed production. Use cut-stump or foliar applications. | | | | | ■ ■ | ■ ■ | ■ ■ | ■ ■ | ■ ■ | ■ ■ | |
| | Mechanical | | | | | | | | | | | | |

Please see Fremont County Weed Control's booklet, "Guideline for Weed Management Plans" for more details such as herbicide rates and specifics about weed control methods.

| LEGEND | | | | | | | |
|--------|---|--|---|--|---|--|---|
| | Garlon / triclopyr | | Pathfinder / triclopyr | | Vista / fluroxypyr | | Landmaster / glyphosate + 2,4-D |
| | Habitat/Imazapyr | | Plateau / imazapic | | Roundup / Glyphosate | | Rangestar / Dicamba + 2,4-D |
| | Transline / Clopyralid | | Escort XP / metsulfuron | | Telar XP / chloirsulfuron | | Curtial / clopyralid + 2,4-D |
| | Puncturevine Weevil "M. lypiformis" | | Mowing | | Hand-Pull | | Tilling |
| | Leafy Spurge Flea Beetle: aphthona spp. | | Tamarisk Beetle: Diorhabda spp. | | Thistle Seed Head Beetle "rhinocyllus conicus" | | Sever root below ground or uproot with a shovel or hoe. |
| | Bulldozers & Hydro-axes. | | Aerial application for large areas of Tamarisk & Russian Olive. | | Pull with weed wrench when small or with a tractor when larger. | | Seed & sow grasses. Keep irrigated to promote competition. Don't overgraze. |
| | Remedy / triclopyr | | Milestone / aminopyralid | | 2, 4-D Ester | | Prescribed Burn |
| | Roundup / Glyphosate | | Telar XP / chloirsulfuron | | Curtial / clopyralid + 2,4-D | | Prevent seed formation by eliminating seed heads. |
| | Habitat/Imazapyr | | Plateau / imazapic | | Roundup / Glyphosate | | Telar XP / chloirsulfuron |
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| | Pull with weed wrench when small or with a tractor when larger. | | Seed & sow grasses. Keep irrigated to promote competition. Don't overgraze. | | Cut-Stump: 2" from ground & immediately apply herbicide. | | |