



Wheeler Soil and Water Conservation District

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administration@wheelerswcd.org

Wheeler Weed Warriors Program (3WP)

Wheeler Soil and Water Conservation District (SWCD) Cost-Share Program

For any person(s) or entities owning and operating taxable land in Wheeler County

Please read and fill out entire application carefully and completely to be considered.



Overview

The primary purpose of the Wheeler Weed Warrior Program is to provide cost-share assistance to accelerate the attack of invasive noxious weeds in Wheeler County by offsetting costs associated with noxious weed management locally. This program does not replace existing resources utilized by landowners, rather supplements current efforts in achieving mutual goals.

Terms and Conditions

1. The 3WP Cost-Share applies only to **listed noxious weeds**. (See pages 8-9)
2. **A 5-year Weed Management Plan (WMP) must be approved by Wheeler SWCD BEFORE any treatment and/or releases are made.** No applications will be accepted or claim sheets processed if herbicide treatment and/or biological agent releases have been made before a WMP has been approved by Wheeler SWCD. *Cost of Weed Management Plan waived for awarded cost-share applicants.*
3. Cost-Share reimbursement up to **50%**. There is an annual maximum payment of **\$250 per landowner owning up to 25 acres; and \$500 per landowner owning 25-320 acres.**
4. **The 3WP Cost-Share Program only covers the cost of herbicides, herbicide surfactants, and biological control agents.** It does not cover the cost of herbicide additives (i.e. dyes, etc.), equipment rentals, contracted application costs, mowing, grazing treatments, or the use of soil sterilants or non-selective herbicides such as Roundup (Glyphosate) or organic herbicides.
5. You must be an owner of taxable **land within Wheeler County** boundaries, and 3WP Cost-Share funds must be used within the county.
6. The funding will be **competitive**. Level of funding will vary year-to-year depending on the annual budget.

Eligible Applicants

- Landowner owning a **total** of up to 320 acres of taxable land within Wheeler County. Exceptions may be made if a high priority, Early Detection Rapid Response (EDRR) opportunity is present. **Landowners are encouraged to contact the SWCD prior to submitting an application.**
- Landowners currently receiving grant funding through Wheeler SWCD are **not** eligible.
- If 3WP Cost-Share funding has been received in the past three (3) years. Repeat applicants **must** contact Wheeler SWCD prior to applying.

Ineligible Projects

- Riparian areas or near waterways
- Areas with more than 10 non-invasive trees per acre
- Near harvestable crops or anything intended for human consumption

Application Process

Complete application in its entirety

- a. Application Form (*required*)
- b. 3WP Bingo Form with corresponding photos of species located (*required*)

- c. Photo(s) of project area and/or weed species (*optional*)
- d. Map(s) of project area (*optional*)
- e. GPS Coordinates of noxious weed infestations (*optional*)
- f. Drafted Weed Management Plan (*optional*)

For questions or technical assistance on the application, contact Wheeler SWCD
 Kristen Neuburger, Conservation Technician I (Public Pesticide Applicator)
 541.468.2990
 kristenneuburger@wheelerswcd.org

Submit application to Wheeler SWCD (*email, USPS mail, or drop-off*)
Ayla Morehouse, Conservation Manager
40535 Hwy 19
Fossil, Oregon 97830
aylamorehouse@wheelerswcd.org

Funding Cycles

	First Cycle	Second Cycle
Applications Due	First Monday of February	First Monday of May
Awards Announced	Second Monday of February	Second Monday of May
Initial Site Visit for photo points and WMP	Before March 15 th	Before June 15 th
Treatments permitted to occur	After approved/signed WMP	After approved/signed WMP
Inspection of Treatment Site Visit	After treatment & before TAR/Claim	After treatment & before TAR/Claim
Treatment Application Record (TAR) / Claim Due	Second Monday of August (6 months after award)	Second Monday of November (6 months after award)
<i>** All treatments must be completed within six (6) months from the date of award. Time extensions for conducting treatments are not permitted through the 3WP Cost-Share.</i>		

Funding Priority

All noxious weeds on the Wheeler County Noxious Weed List are eligible to be included on a 3WP Cost-Share application. However, funding will be prioritized to applicants with first or second priority weeds present.

First priority weeds for the 3WP Cost-Share are:

- Tree of Heaven (*Ailanthus altissima*)
- Yellow starthistle (*Centaurea solstitialis*)
- Rush skeletonweed (*Centaurea solstitialis*)
- Mediterranean sage (*Salvia aethiopsis*)

Second priority weeds for the 3WP Cost-Share are:

- Russian knapweed (*Centaurea repens*)

- Diffuse knapweed (*Centaurea diffusa*)
- Spotted knapweed (*Centaurea maculosa*)
- Scotch thistle (*Onopordum acanthium*)
- Canada thistle (*Cirsium arvense*)
- Leafy spurge (*Euphorbia esula*)
- Whitetop (*Cardaria draba*)
- Dalmatian toadflax (*Linaria dalmatica*)

In addition to weed species, applications will be prioritized by completeness of applications, project location (zone), and inclusion of project area photos, GPS coordinates of infestation(s), project area maps.

Review Process & Project Selection Criteria

Wheeler SWCD staff will review applications the week following application deadline. Review will be conducted using the Wheeler Weed Warriors Application Selection Criteria Rubric (see page 6)

If Funded

1. Wheeler SWCD will **conduct a site visit of the project area** to obtain monitoring photo points and photos.
2. A **required 5-year WMP** will be written with assistance from Wheeler SWCD. *Cost of Weed Management Plan waived for awarded cost-share applicants.*
3. Wheeler SWCD will provide you with a notice to proceed with treatment application. Treatment(s) **must be completed within six (6) months** following notice to proceed.
 - a. All voluntary participants in the 3WP Cost-Share who either apply pesticides or own land upon which pesticides are applied under this program will be **required to sign a Release of Liability and Waiver of Legal Rights.**
 - b. **If a landowner requests Wheeler SWCD to conduct the treatment**, 3WP funds cannot be used for application costs (see page 5). A spray report will be provided to the landowner upon completed treatment and a **TAR/Claim Form is still required to be submitted.**
 - c. **If a landowner decides to treat weeds themselves**, the responsibility to follow label directions lies upon the applicator. For selecting the most effective product you should know: the target weed(s), non-target vegetation, site or crop, correct herbicide rate per acre, equipment calibration, and treatment timing. The limited program dollars will be used in the best manner possible, therefore, ineffective materials, incorrect herbicide rates, use of uncalibrated equipment, improper treatment timing and off label applications will not be cost-shared.
NOTE: If misapplication of a chemical or improper release of insect control agents are noted, payment of the Cost-Share Claim will be denied. If the chemical misapplication is deemed to be harmful to the environment or surrounding area, the proper regulatory agency will be notified.

- d. **If a landowner decides to hire a commercial applicator**, make sure they are licensed with the Oregon Department of Agriculture and have proper insurance.
4. After conducting the herbicide treatment and/or insect control agents, **submit a completed Treatment Application Record (TAR) / Claim Form**. Include the original or copied receipt(s) for the herbicides and/or insect control agents purchased to control the noxious weeds. The Wheeler SWCD operates on a fiscal year basis from July 1st to June 30th. If the chemicals or biological control agents were purchased at the start of the field season (i.e. March, April, May, June) the claim sheets with receipt(s) must be submitted to the Weed District on or before June 30th or the claim sheet cannot be processed.
5. Wheeler SWCD will **schedule a site visit to certify completion** of the treatment once a completed Treatment Application Record / Claim Form is received.
6. Once the treatment has been certified, a **Treatment Application Record (TAR) / Claim Form will be required to be submitted with receipts for reimbursement**. If a contracted applicator is hired, a spray record must also be included with the receipts.

Fee Chart

Rate	Unit	Description
\$75	Hour	Initial licensed applicator
\$40	Hour	Additional licensed applicator
\$100	Day	Travel time
\$25	Day	Use of trailer
Wheeler SWCD provides technical assistance for developing WMPs for all landowners within Wheeler County. <i>Participation in and restrictions of the 3WP Cost-Share not applicable.</i>		
\$150	Each	Weed Management Plan (WMP) established for up to 320 acres
\$1	Each additional acre	Weed Management Plan (WMP) established over 320 acres

Spray Backpack Rental Available Through Wheeler SWCD

A separate agreement is required.

Deposit	\$100.00
Rental Fee (per day w/ ½ day minimum)	\$25.00
Delivery Charge (per mile)	\$0.65
Extra Day Fee (per day late return)	\$30.00
Cleaning Fee (if equipment not returned to District satisfaction)	\$50.00
Repair Fee (should the Backpack Sprayer be damaged beyond normal use)	
Parts	Actual costs
In-House Labor (per hour)	\$45.00
Outsourced Labor	Actual costs

* The Renter is allowed a certain amount of time to use the Backpack Sprayer, based on the time determined in agreement. The Renter is allowed ½ day for cleaning and returning of Backpack Sprayer. Any additional time the Renter keeps the Backpack Sprayer will be charged an Extra Day Fee unless other prior arrangements are made with Wheeler SWCD.

Wheeler Weed Warriors Application Selection Criteria Rubric

Higher Selection Criteria: Max 25 points per section							
Criteria	0	1-5	6-10	11-15	16-20	21-25	
Application Completion	<ul style="list-style-type: none"> No parts of the Packet completed 	<ul style="list-style-type: none"> Contact information (name, phone/email) 	<ul style="list-style-type: none"> Mailing address 	<ul style="list-style-type: none"> Bingo form (weed survey and photos) 	<ul style="list-style-type: none"> Property map 	<ul style="list-style-type: none"> 100% of application is completed 	Points
Priority Noxious Weeds	<ul style="list-style-type: none"> No first or second priority species identified 	<ul style="list-style-type: none"> 1 first and/or second priority species and/or Priority species covers less than or equal to 20% of treatment site 	<ul style="list-style-type: none"> 2 first and/or second priority species and/or Priority species covers up to 40% of treatment site 	<ul style="list-style-type: none"> 3 first and/or second priority species and/or Priority species covers up to 60% of treatment site 	<ul style="list-style-type: none"> 4 first and/or second priority species and/or Priority species covers up to 80% of treatment site 	<ul style="list-style-type: none"> 5 first and/or second priority species and/or Priority species covers up to 100% of treatment site 	Points
Lower Selection Criteria: Max 10 points per section							
Criteria	0	2	4	6	8	10	Points
Noxious Species	<ul style="list-style-type: none"> No species identified as a noxious species 	<ul style="list-style-type: none"> Treatment of non-priority species listed on Wheeler weed board list No species identified as a 3WPP priority species 	<ul style="list-style-type: none"> Majority of treatment targeting species listed on Wheeler weed board list Small portion of treatment targets 3WPP secondary priority 	<ul style="list-style-type: none"> Majority of treatment targeting 3WPP second priority species Small portion of treatment targets 3WPP first priority Small portion of treatment targets non-priority species 	<ul style="list-style-type: none"> Majority of treatment targeting 3WPP first priority species Small portion of treatment targets 3WPP second priority Small portion of treatment targets non-priority species 	<ul style="list-style-type: none"> All treatment targeting 3WPP first priority species and/or Small portion of treatment targets 3WPP first priority 	Points
GPS coordinates and/or Map	<ul style="list-style-type: none"> No GPS coordinates or Map 	<ul style="list-style-type: none"> Single, general site coordinates and/or General site map that does not accurately outline specific treatment areas 	<ul style="list-style-type: none"> Multiple GPS coordinates for each treatment area or Map outlines treatment area(s) 	<ul style="list-style-type: none"> Multiple GPS coordinates for each treatment area and Map outlines treatment area(s) and avoidant areas (i.e. buildings, riparian) 	<ul style="list-style-type: none"> Multiple GPS coordinates for each treatment area/species and Map clearly outlines treatment area(s), avoidant areas and associated target species 	<ul style="list-style-type: none"> Multiple GPS coordinates for each treatment area/species and Map clearly outlines treatment area(s), avoidant areas and associated target species 	Points
Zone Location		<ul style="list-style-type: none"> Zone prioritized in 4 years 	<ul style="list-style-type: none"> Zone prioritized in 3 years 	<ul style="list-style-type: none"> Zone prioritized in 2 years 	<ul style="list-style-type: none"> Zone prioritized next year 	<ul style="list-style-type: none"> Within year-specific prioritized zone 	Points
Photos	<ul style="list-style-type: none"> No photos of target species or treatment area are included 	<ul style="list-style-type: none"> Some photos missing Photos of target species are unidentifiable and/or Photos of treatment site are unidentifiable or unrepeatable 	<ul style="list-style-type: none"> Some photos missing Some photos of target species and/or treatment site are unidentifiable 	<ul style="list-style-type: none"> All photos included Photos of target species are more difficult to confirm identification and Photos of the treatment site do not have identifiable landmarks 	<ul style="list-style-type: none"> All photos included Photos of target species are more difficult to confirm identification and Clear photos of the treatment site with identifiable landmarks 	<ul style="list-style-type: none"> All photos included Clear photos of ALL target species for identification confirmation and Clear photos of the treatment site with identifiable landmarks 	Points
Bonus Points: Optional documents to include in application - All items below are worth up to 5 points each towards total score points							
	<ul style="list-style-type: none"> Drafted WMP 	<ul style="list-style-type: none"> Applicator's license obtained 	<ul style="list-style-type: none"> Spray contractor hired 	<ul style="list-style-type: none"> Proof of current weed management 	<ul style="list-style-type: none"> Conservation plan w/ weed management 	<ul style="list-style-type: none"> Attended a SWCD weed workshop in the past 	Points

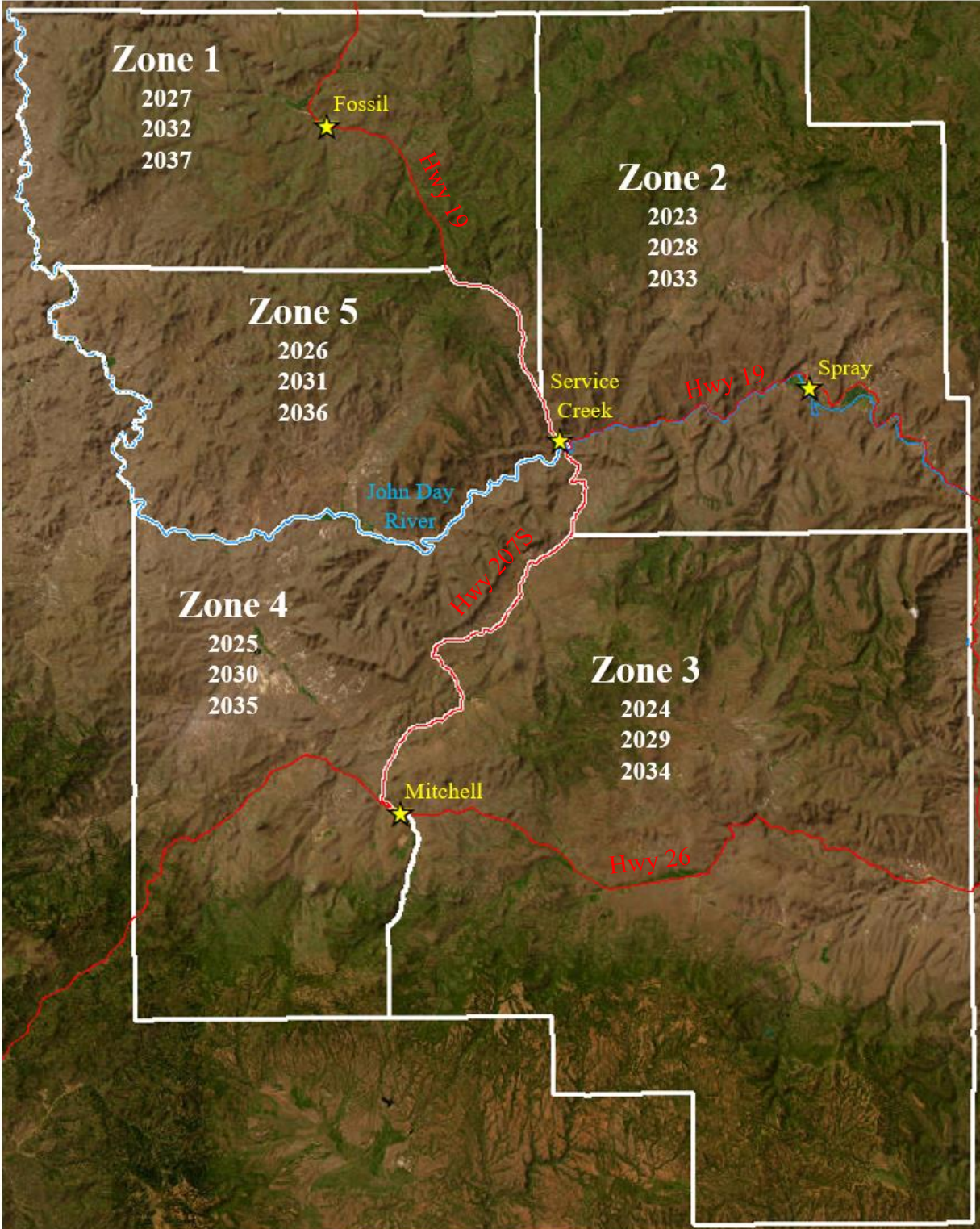
Notes: _____

Applicant Number: _____

Total Points: _____

Wheeler Weed Warriors Project Area Zone Map and Focus Years

Wheeler SWCD applies for ODA Noxious Weed grants annually. These applications are generally due in December and awarded in February. In an effort to ensure all landowners in Wheeler County are provided an equal opportunity to participate in these grants, Wheeler SWCD developed a zone of five project areas and the ODA funding will be rotated through the zones annually.



WHEELER COUNTY WEED BOARD

NOXIOUS WEEDS LIST

**“A” Designated Weed
(Table I)**

A weed of known economic importance which occurs in the county in small enough infestations to make eradication or containment possible; or is not known to occur, but its presence in neighboring counties make future occurrence in Wheeler County seem imminent.

Recommended action:
Infestations are subject to eradication or intensive control when and where found.

**“B” Designated Weed
(Table II)**

A weed of economic importance which is regionally abundant, but may have limited distribution in the county

Recommended action:
Limited to intensive control at the county or regional level as determined on a site specific, case-by-case basis. Where implementation of a fully integrated countywide management plan is not feasible, biological control (when available) shall be the primary control method.

Table I	
Common Name	Scientific Name
Dalmation toadflax (T)	<i>Linaria dalmatica</i>
Japanese dodder	<i>Cuscuta japonica</i>
Mediterranean sage (T)	<i>Salvia aethiopsis</i>
Musk thistle	<i>Carduus nutans</i>
Myrtle spurge	<i>Euphorbia myrsinites</i>
Plumeless thistle	<i>Carduus acanthoides</i>
Purple loosestrife	<i>Lythrum salicaria</i>
Purple starthistle (T)	<i>Centaurea calcitrapa</i>
Rush skeletonweed	<i>Chodrilla juncea</i>
Russian-olive (Outside domestication) (T)	<i>Elaeagnus angustifolia</i>
Salt cedar (outside domestication) (T)	<i>Tamarix ramosissima</i>
Scotch broom	<i>Cytisus scoparius</i>
Spike weed	<i>Hemizonia pungens</i>
Spiny cocklebur (T)	<i>Xanthium spinosum</i>
Squarrose knapweed (T)	<i>Centaurea virgata</i>
St. Johnswart	<i>Hypericum perforatum</i>
Tansy ragwort	<i>Senecio jacobaea</i>
Yellow toadflax	<i>Linaria vulgaris</i>

Table II	
Common Name	Scientific Name
Tree of Heaven	<i>Ailanthus altissima</i>
Bull thistle	<i>Cirsium vulgare</i>
Bur buttercup	<i>Ranunculus testiculatus</i>
Canada thistle (T)	<i>Cirsium arvense</i>
Cheatgrass (T)	<i>Bromus tectorum</i>
Chicory (T)	<i>Cichorium intybus</i>
Coast fiddleneck	<i>Amsinckia intermedia</i>
Diffuse knapweed (T)	<i>Centaurea diffusa</i>
Field bindweed (morning glory)	<i>Convolvulus arvensis</i>
Foxtail barley	<i>Hordeum jubatum</i>
Houndstounge (T)	<i>Cynoglossum officinate</i>

“T” Designated Weed (T)

A designated group of weed species which is determined by the Oregon State Weed Board. This group consists of weeds from both A and B designated weed lists.

Recommended action: These noxious weeds are the focus for prevention and control by the WCWB. Action against these weeds will receive priority.

Jointed goatgrass	<i>Aegilops Cylindrical</i>
Kochia	<i>Kochia scoparia</i>
Leafy spurge (T)	<i>Euphorbia esula</i>
Medusahead rye (T)	<i>Taeniatherum caput-medusae</i>
Mullein	<i>Verbascum thapsus</i>
Perennial pepperweed (T)	<i>Lepidium latifolium</i>
Poison hemlock	<i>Conium maculatum</i>
Prickly Lettuce (milk thistle)	<i>Silybum marianum</i>
Puncturevine	<i>Tribulus terrestris</i>
Russian knapweed (T)	<i>Centaurea repens</i>
Russian thistle	<i>Salsola iberica</i>
Scotch thistle (T)	<i>Onopordum acanthium</i>
Spotted knapweed (T)	<i>Centaurea maculosa</i>
Sulfur cinquefoil	<i>Potentilla recta</i>
Teasel	<i>Dipsacus fullonum</i>
Ventenata (T)	<i>Ventenata dubia</i>
White top (hoary cress) (T)	<i>Cardaria draba</i>
Yellow starthistle (T)	<i>Centaurea solstitialis</i>
Yellow sweet clover	<i>Melilotus officinalis</i>

Updated September 2020

Noxious Weed Herbicide Recommendations

Species	Herbicide	Rate/Acre	Timing of Application
Bull thistle	Milestone	7oz	These thistles are easy to control with a wide variety of herbicides when young spring rosette to bolt, fall rosette
	Tordon 22K	1pt	
	Weedmaster	1-2pt	
Canada thistle	Milestone	7oz	Pre-bloom and fall
	Curtail	2qt	Pre-bloom and fall
	Telar	1oz	Pre-bloom and fall
	Tordon 22K	1-2qt	Bud stage or fall rosettes
Dalmatian toadflax	Telar & Milestone	1oz & 7oz	Spring to bloom or fall
	Telar & Tordon 22K	1.33oz & 1qt	Full flower or fall
	Tordon 22K	2qt	Fall
	Telar	1.33oz	Late flower and fall
	Tordon 22K	2qt spot treat	Late flower
Diffuse knapweed	Milestone	7oz	Before flower
	Tordon 22K & 2,4-D Amine	1.5pt & 1qt	Rosette
	Weedmaster	1.5qt	Rosette
Field bindweed	RoundUp	54oz	Mid-bloom
	Tordon 22K	2qt	Early bud to full bloom
Houndstounge	Escort & 2,4-D	1oz & .5a.e.	Spring rosette to bolting
	Tordon 22K	1-2pt	Spring to flower, fall rosettes
	Weedmaster	1-2pt	Spring to flower, fall rosettes
Leafy spurge	Plateau	12oz	Early fall
	Tordon 22K	2qt	Early flower or fall
Mediterranean sage	Telar or Escort	1oz	Spring or fall rosette
	Tordon 22K & 2,4-D	1qt & 1qt	Spring or fall rosette
Medusahead rye	Oust	1oz	Fall, before ground freezes
	Plateau	6oz	Fall, before ground freezes
	RoundUp	54oz	Fall, before ground freezes
Musk thistle	Milestone	3-5oz	These thistles are easy to control with a wide variety of herbicides when young spring rosettes to bolt, fall rosette
	Tordon 22K	1pt	
	Weedmaster	1-2pt	
Poison hemlock	Weedmaster	1-1.5pt	Rosette to early flower
	Telar Escort	1oz	Early spring to bolt
Puncturevine	2,4-D	2pt-2qt	When visible or heavy mass
Russian knapweed	Milestone	7oz	Bloom or fall rosette
	Tordon 22K	1qt	Bloom or fall
	Transline	1.33 qt	Fall
Scotch thistle	Milestone	7oz	Before bloom or fall rosette
	Tordon 22K	1pt	To bloom or fall rosette
	Weedmaster	1-2pt	Rosette
	Escort or Telar	1oz	Before bloom
Spotted knapweed	Milestone	7oz	Before bloom or fall rosette
	Tordon 22K	1pt	Spring rosette to bud stage, fall rosette
	Tordon22K & 2,4-D Amine	2qt	Spring to bloom/fall rosette
St. Johnswort	Escort	1oz	Early growth/flower
Teasel	Escort	1oz	Spring rosette, early bolt
	Milestone	7oz	Spring-bloom/fall rosette
Water hemlock	2,4-D	2qt	Early bolting
	Telar or Escort	1.5oz	Spring to bolt
Whitetop	Telar or Escort	1oz	Spring to bloom/fall rosette
Yellow starthistle	Milestone	7oz	Spring to bloom/fall rosette
	Tordon 22K	1.5pt	Spring & fall rosette to early flower

Sprayer Equipment Calibration

Backpack Spray and Other Wand Spraying Equipment

1. Thoroughly clean sprayer and fill with clean water.
2. Measure and mark out an area equal to 1/128 of an acre (approx. 340 sq. ft. or 18.5'x18.5').
3. Using consistent pressure and walking speed, time how long it takes to thoroughly spray the area. For better consistency, test on similar terrain that will be sprayed.
4. Using same pressure, spray into measuring container for the recorded time from step 3. Each ounce captured is equal to gallons per acre. (6 ounces = 6 gallons per acre)

Boom Sprayer (1/128 Acre Method)

1. Thoroughly clean sprayer and fill tank with clean water.
2. Measure nozzle spacing (inches from center-to-center of nozzles) and refer to chart for distance needed to travel. (Example: 20-inch nozzle spacing would require a travel distance of 204 feet.)
3. Select throttle and gear for spraying and drive the measured course simulating the actual spraying operation. Record the time it takes the measured course.
4. With sprayer parked, set the desired throttle and pressure, and engage all nozzles. Collect the output from one nozzle for the recorded time from step 3.
5. Nozzle output in ounces is equal to the gallons per acre (Example: 15 ounces = 15 gallons per acre).
6. If the calibration results are not desired, change the rate by:
 - a. Adjusting ground speed
 - b. Adjusting pressure
 - c. Adjusting nozzle size
7. Recalibrate.

Nozzle Spacing (inches)	Travel Distance (feet)
14	291
16	255
18	227
20	204
22	185
24	170
26	157
28	146
30	136
32	127
34	120
36	113
38	107

Nozzle Spacing: _____	Travel Distance: _____
Time: _____	Output: _____
** Output in ounces equals Gallons per Acre	

Boom Sprayer (1/8 Acre Method)

1. Thoroughly clean sprayer and fill tank with clean water.
2. Measure effective spray width of sprayer by measuring the total wetted spray pattern width in feet and multiplying by 80% (0.80). Multiply by 80% to ensure that you have good overlap in the spray pattern. (Example: Total wetted spray pattern width of 30 feet x 0.80 = effective spray width of 24 feet)
3. Use the chart for distance to drive (Example: An effective spray width of 25 feet would require a travel distance of 218 feet). For swath widths not shown on chart, use 5445 divided by the effective swath width to calculate travel distance.

Effective Swath Width (feet)	Travel Distance (feet)
22	273
22.5	243
25	218
27.5	199
30	182
32.5	168
35	156
37.5	146
40	137
42.5	128
45	121
47.5	115
50	109

4. Select throttle and gear for spraying and drive the measured course simulating the actual spraying operation. Record the time it takes the measured course.
5. With sprayer parked, set the desired throttle and pressure, and engage all nozzles. Collect the output from the sprayer for the recorded time from step 3. If sprayer has two boomless nozzles, collect from both sprayers and add together for next step.
6. Output in pints (16 ounces per pint) equals the gallons per acre. (15 pints = 15 gallons per acre)
7. If the calibration results are not desired, change the rate by:
 - a. Adjusting ground speed
 - b. Adjusting pressure
 - c. Adjusting nozzle size
8. Recalibrate.

Total Spray Width: _____ x 0.80 = Effective Width

Effective Width: _____

Travel Distance: _____ Time: _____

Output in ounce:

Left Side: _____

Right Side: _____

Total Output in Ounces _____ / 16 = _____ gallons per acre

Spray Volume Gallons/Acre	Amount of Herbicide to Add to Each Gallon Recommended Herbicide Rate/Acre				
	1 Pint	1 Quart	2 Quarts	3 Quarts	4 Quarts
15	6 tsp	2 fl oz	4 fl oz	6.25 fl oz	8.5 fl oz
20	5 tsp	10 tsp	3.25 fl oz	4.75 fl oz	6.33 fl oz
30	3 tsp	6 tsp	2 fl oz	3.25 fl oz	4.25 fl oz
40	2.33 tsp	4.75 tsp	1.66 fl oz	2.33 fl oz	3.25 fl oz
50	2 tsp	3.75 tsp	1.25 fl oz	2 fl oz	2.5 fl oz
60	1.66 tsp	3.25 tsp	6.33 tsp	1.66 fl oz	2 fl oz
70	1.33 tsp	2.75 tsp	5.5 tsp	1.33 fl oz	1.75 fl oz
80	1.25 tsp	2.33 tsp	4.75 tsp	7.25 tsp	9.5 tsp
90	1 tsp	2 tsp	4.25 tsp	6.33 tsp	8.5 tsp
100	1 tsp	2 tsp	3.75 tsp	5.75 tsp	7.66 tsp
120	0.75 tsp	1.5 tsp	3 tsp	4.75 tsp	6 tsp

TBS = tablespoons

tsp = teaspoon

fl oz = fluid ounces

3 tsp = 1 TBS

2 TBS = 1 fl oz

8 fl oz = 1 cup

1 cup = 16 TBS

Example: Assume that the calibration of your sprayer (steps above) yields an output of 30 gallons per acre (GPA) and your sprayer holds 3 gallons. Your herbicide label for the target weed species dictates an herbicide application rate of 1 pint/acre. Go to the chart and read across from 30 GPA to 1-pint column to see the amount of herbicide to add per gallon is 3 teaspoons. Since your sprayer holds 3 gallons of total solution, you would add 9 teaspoons of herbicide in addition to the water in each tank.

License Applicator Contractors Who Serve Wheeler County

<p>V-C Spray Company Vince Ceciliani 331 NE Short Lane Prineville, OR 97754 541-410-6647 vince4cec@yahoo.com</p>	<p>Payes2Spray Floyd Paye PO Box 783 Madras, OR 97741 541-306-9679 payes2spray@crestviewcable.com</p>
<p>Central Oregon Weed Control Sid Robinson 7918 SW Shad Rd Terrebonne, OR 97760 541-788-2009 centraloregonweedcontrol@gmail.com</p>	<p>Botanical Development Eric Evans 409 NW Franklin Ave Bend, OR 97702 541-280-7871 eric@botanical-developments.com</p>
<p>Cascade Vegetation Mgmt, LLC Ben Hanna PO Box 267 Dufur, OR 97021 541-993-0933 Benhanna.cvm@gmail.com</p>	<p>Wilbur-Ellis* Austin Say PO Box L, 500 NW Cherry Lane Madras, OR 97741 541-475-9474 / 541-777-1393 asay@wilburellis.com</p>
<p>Helena* Mark Castor 1225 NW Gardner Rd Prineville, OR 97754 541-447-5609 castorm@helenachemical.com</p>	<p>Wheeler SWCD* Kristen Neuburger 40535 Hwy 19 Fossil, OR 97830 541-468-2990 kristenneuburger@wheelerswcd.org</p>

*** Indicates herbicide dealers**