

IDAHO STATE DEPARTMENT OF AGRICULTURE
NOXIOUS WEED COST SHARE PROGRAM
END OF YEAR REPORT

**Northwest Owyhee Cooperative Weed Management Area
(NOCWMA)**

The NOCWMA was formed as a component of the Owyhee Conservation District Annual Plan. One priority for our district is addressing noxious weeds in our county. With the IDA offering grants to address these problems the board of supervisors, landowners, and irrigation district discussed the possibility and applied for the funds. We were pleased at the participation both in partnerships and in participants. The NOCWMA board consist of:

Charles Kiester, Owyhee Conservation District Supervisor
Elmon Thompson, Owyhee Conservation District Associate Sup.
Ray Mansidor, Owyhee Conservation District
Tim Volk, Owyhee Conservation District
Jerry Hoagland, Owyhee County Commissioner
Ron Kiester, South Board of Control
Andy Ogden, Idaho Fish and Game
Kent Curtis, Homedale Hwy Dpt.
Sharon McIlveen, Owyhee Garden Club
Paddy Doyle, Landowner
Linda Symms, Landowner
Del Bain, Landowner
Gina Millard, Owyhee Conservation District Admin.

Goals of NOCWMA

- ◆ Prevent the introduction, reproduction and spread of designated noxious weeds and invasive exotic plants into and within Northwest Owyhee County
- ◆ Reduce the extent and density of established noxious weeds to a point that natural resource damage is within some acceptable limits
- ◆ Restore/re-vegetate infested, treated or newly disturbed areas to reduce re-invasion potential
- ◆ Implement the most effective, economical and appropriate control methods for each specifically targeted weed or infestation
- ◆ Implement an integrated management system which uses all appropriate available methods or combination of methods
- ◆ Reduce present and future negative economic impacts caused by noxious weeds

Legal Description

Northwest Owyhee CWMA Boundaries

The Northwest Owyhee CWMA is located in that portion of Owyhee County as described below:
The boundary runs from Black Mountain located in T.3 S., R. 3W. S 29 north to Windy Point T. 2 S. R 3 W. Section 21. From Windy Point to the summit between Reynolds Creek and Walters Ferry (T. 2 S., R. 3 W. Section 8), it then follows the rim rock west to Reynolds Creek. From Reynolds Creek it follows the ridge around to Soldier Cap (T. 2 S., R. 4 W. Section 1). Then it follows Horse Race Ridge to Gateway Mountain, southeast of Salmon Butte (T. 2 S., R 4 W. Section 7) and over to Squaw Butte (T. 2 S., R. 5 W. Section 11). From Squaw Butte it follows the ridge dividing the Squaw Creek and Jump Creek drainages from the McBride Creek drainage to a point on the Idaho/Oregon state line at T.1 S., R. 6 W. Section 2. From this point the line runs due north, following the Idaho/Oregon state line until it hits the Snake River. The boundary then follows the Snake River, upstream, to the NE1/4 of the NE1/4 of section 27 T.3.S., R. 1E. The line then runs west, crossing the north end of Wild Horse Butte, crosses Sinker Creek in the NW1/4 of the NW ¼ of section 29 T3 S., R. 1W., over Federal Butte, continuing to follow the section line separating sections 20 & 29 T.3 S., R. 3W. to Black Mountain.

Primary area covered 2009

This year we targeted the northwest corner of Homedale near border of Oregon along the Snake River to Lower Reynolds Creek. We specially concentrated on the country irrigation roads in Homedale and parts of Marsing canals roads and city alleys and driveways.

Major weed problem

Puncture Vine and perennial pepper weed, these two weeds are the biggest culprit in both town and rural areas.

Our leaders /Advisors/Cooperators

We were lucky to have Chuck Kiester, Elmon Thompson, Ray Mansisor, and Tim Volk of the Owyhee Conservation District in all roles; Ron Kiester of the South Board Irrigation manager lending, equipment & man hours, knowledge of systems and problems. Jerry Hoagland, County Commission advising us; Bruce Sibert, County Weed Superintendent advising us on herbicides that work best with specific areas and weeds; Homedale Hwy Dpt. Kent Curtis; Sharon McIlveen, Marsing-Homedale Garden Club who was able to get the Local Garden Club and major players cooperators and getting the word out to the residence.

Accomplishments

We held 4 different spray days; starting the first on 4/25/09 targeting puncture vine using a pre-emergent. We had 64 people turn out to pick up chemical; spraying about 144 acres of irrigation roadways, driveways, easements and spot spraying other infested areas with 57% infestation; with 95% density. We were very effective with telar for a pre-emergent in preventing puncture vine from seeding. (Example: On a 1400' easement with 80% infestation and 95% infestation with 2 pre-emergent sprayings, 1% of the puncture returned.) Unfortunately one viable seed will restart vulnerable areas. Several landowners called wanting to participate in next years spraying.

Our 2nd spray day was 5/21/09 with a tiny window to use the pre-emergent for puncture vine and bud to bloom for white top, our participants covered 191 acres, with 45% ± infestation rate density of white top 42%±

3rd Spray day on 6/25/09 covered perennial pepper weed approximately 473.5 acres with 48%± infestation and 38% density.

4th Spray day on 10/8/09 targeting Russian Knapweed 92 acres, with 23% infestation and 85% density and Canadian Thistle 126 acres, 23% infestation and 10% density.

Our most important accomplishments were reduction of puncture vine by landowners who used pre-emergent (refer to pictures). Next spring and summer will determine the success of perennial pepper weed, white top, Canadian Thistle and Russian knapweed spraying.

Who did the work: landowners, farmers, homeowners, producers, irrigation co.

Total acres treated > 1000 with herbicide

100 ± acres treated mechanically, tools, and animals

No bio control accomplished due to lack of specific bugs needs.

Total acres inventoried 1000+

Re-vegetated 2 acres.

New invaders: 10 ± acres if Poison Hemlock along Jump Creek and Scotch Thistle

Public Contact over 112 people: participants, landowners, farmers, schools, city and towns people.

<u>Chemical</u>	<u>quantity</u>	<u>purpose</u>
Telar	1293 oz.	pre-emergent for puncture vine and Eradicate for perennial pepper weed and white
Bullseye	25 oz.	dye
Insist 90	25 oz.	Surfactant
Forefront	150 gal.	Canadian Thistle & Knapweed

Total cost	
Chemical	\$ 33590.07
Equip. GPS units	1009.93
Admin.	<u>1730.00</u>
	\$36330.00

Summary

The NOCWMA actively sought participants and members for our weed management program. Our starting point was Owyhee Conservation District and Owyhee County Commissioners, South Board of Control- local irrigation company, from there the more agencies were invited to become partners such as: Homedale Hwy District were instrumental in formulating a viable weed management group. The first year was a struggle learning and understanding the rules. We were pleased with the participants that turn out at our sprays and damage done to noxious weeds.

We did have a great informative discussion about weeds, identifying weeds and GPS education. The NOCWMA held monthly meetings starting in March 2009 through November 2009. During our monthly meeting we had our County Weed Supervisor attend: explain herbicides, proper times to spray and correct chemicals to use. We held 4 Spray Days targeting puncture vine, white top, perennial pepper weed, Canadian Thistle, and Russian Knapweed. Prior to Spray Days flyers were distributed, articles were placed in the local papers, emails were sent out, FSA newsletter printed articles, OCD meetings announced it and members of CWMA announced Spray days and meetings at coffee hour. During Spray Days we had captive audiences and were able to educate and inform citizens about our CWMA, local weeds, and chemicals. Several members of our CMWA holds chemical license; these members were able to be educate participants as well as hand out brochures and information about chemical use and mixing directions.

Species	Gross Acres	Percentage Of gross Acres infested	Average Density (%)	Species	Gross Acres	Percentage Of gross Acres infested	Average Density (%)
Black Henbane			0%	Tall hawkweed			0
Bohemian Knotweed			0%	Tansy Ragwort			0
Brazilian Elodea			0%	Toothed Spurge			0
Buffalobur			0%	Vipers Buglosss			0
Canada Thistle	5000	25	13%	Water Hyacinth			0
Common Crupina			0%	White Bryony			0

Dalmatian Toadflax			0%	Whitetop	30000	25	7.5
Diffuse Knapweed	0		0%	Yellow Devil Hawkweed			0
Dyer's Woad			0%	Yellow Hawkweed			0
Eurasian Watermilfoil			0%	Yellow Starthistle			0
Field Bindweed			0%	Yellow Toadflax			0
Giant Hogweed			0%				
Giant Knotweed			0%				
Hoary Alyssum			0%				
Houndstongue			0%				
Hydrilla			0%				
Japanese Knotweed			0%				
Johnsongrass			0%				
Jointed Goatgrass			0%				
Leafy Spurge			0%				
Matgrass			0%				
Meadow Knapweed			0%				
Mediterranean Sage			0%				
Milium			0%				
Musk Thistle			0%				
Orange Hawkweed			0%				
Oxeye Daisy			0%				
Parrotfeather Milfoil			0%				
Perennial Pepperweed	1000	25	25%				
Perennial Sowthistle			0%				
Plumeless Thistle			0%				
Poison Hemlock	50	10	5%				
Policeman's Helmet			0%				
Puncturevine	2000	50	10%				
Purple Loosestrife	10	25	3%				
Rush Skeletonweed	1000	1	1%				
Russian Knapweed	30000	20	6%				
Saltcedar	1000	10	10%				
Scotch Broom			0%				
Scotch Thistle	6000	10	6%				
Silverleaf Nightshade			0%				
Skeletonleaf Bursage			0%				
Small Bugloss			0%				
Spotted Knapweed			0%				
Squarrose Knapweed			0%				
Syrian beancaper			0%				

Summary of tools:

Prevention: herbicide telar, hoe, shovel (goal stop puncture vine from sprouting)

Eradication/control: telar, forefront and 2,4D

Inventory and mapping: GPS units to record sites of weeds, computer to record sites

Education: used at each spray day, monthly meetings, speeches to groups .

The Owyhee Conservation District (OCD) administrator attended the local Owyhee Gardeners meeting inviting them to participate in our CWMA, we are able to enlist help from their club – approximately 25-30 members for spray. The OCD admin. attended the Senior Citizens Center in Homedale inviting them join our CWMA – enlisting another 20 people. Finally the OCD admin. visited the Marsing High School FFA to enlist their assistance in GPS/Mapping Owyhee weed areas. Mr. Martin asked the CWMA to assist the high schoolers with fuel for the vehicles since there would not be any field trips due to school budget cuts; no students were able to help due to finances.

Grass seed: re-vegetate small pasture

Amount Contributed	Contribution Category	Cooperator	Contact	Contact Phone
\$598	Federal Govt.	IDFG	Andy Ogden	465-8465 ext 336
\$426	Federal Govt.	NRCS	Kent Morrison/Diane French	896-4544 ext 101
\$503	Federal Govt.	BLM	Pat Kane	208-384-3407
\$34,118	Landowner	NOCWMA	Chuck Kiester,Chairman	337-5612
\$220	Non-Federal Govt.	Owyhee Conservation District	Charles Chadez,Chairman	896-4544
\$1,750	Non-Federal Govt.	GEM Irrigation District	Ron Kiester	337-3505
\$ 2,964.75	Non-Federal Govt.	Owyhee County	Jerry Hoagland	465-2421
\$ 9,591	Non-Federal Govt.	CWMA Board mtg.&sprayday	Chuck Kiester	337-5612
1339.95	Non-Federal Govt.	Homedale Hwy District	Kent Curtis	337-3071
-				
\$51,510	Grand Total			

*** NOTE: This report must be filed quarterly. See Cost Share Program Handbook for reporting periods and deadlines.**

Charles Kiester

SIGNATURE

DATE

Contribution Category	Grand Totals
Federal Government	\$1,527
Landowner/Private	\$34,118
Non-Federal Government	\$15,866
Grand Total	\$51,511

Plans for next year

Next year we would like to continue with the same but incorporate a bigger target area and add Poison Hemlock to our priority list.