

COOPERATIVE EXTENSION

Bringing the University to You

Fact Sheet: 99-80

Nevada's War on Weeds Steps to Success Step 6 – Plan Projects for Success

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The weed management team cannot afford all the time it would take to plan every project in detail together. People would frustrate themselves by spending too much time meeting vs. doing weed management and quit before any actual work takes place. However, the people doing on-the-ground weed management need a written record of their planned actions and assumptions. This is project planning.

Planning occurs at several levels (state, county, or local) for a variety of objectives. The War on Weeds Step 2 – Build Coalition Through Collaborative Planning and Management (Fact Sheet 99-76) discusses the level of planning needed to build coalitions, uniting people behind a common goal based on a vision. That process must provide enough specifics to be achievable and it often needs to prioritize a long list of individual projects.

Often the weed management team develops action plans for sub-areas within the overall weed management area. In coordinated planning or as project planning begins the weed management area can be broken into smaller units of a size that is effective for project planning. Each area (pasture, range, drainage, lot, soil type etc.) that will need a different treatment project team, billing method, application timing, or other project variation should be referred to as a "unit". Even a right-of-way could be classified as a "unit". Use as many units as needed. They can be of any size as long as the combined unit descriptions adequately cover the total area that you will be working on. A unit may even describe entire ranches, sections or townships. The key is to **link unit size and area characteristics to the project planning needs**.

The weed management team will find a detailed and user-friendly map very useful (See War on Weeds, Step 3-Map Important Weeds for a Living Inventory, Fact Sheet 99-77). If the information needed for mapping and analysis is not available for the whole area, the inventory-type information collected in the form at the end of this fact sheet can help establish priorities.

The team needs to involve people who know the country and who will be working on the project in delineating units. As people look at maps and aerial photographs of a unit, they may remember or learn of small, isolated infestations others may not know about. Or, they may discuss particular features or management issues that could be addressed better by rearranging unit boundaries. In doing so, the group creates a unit map for the whole weed management area. This map is part of the essential record of what was planned and implemented.

After unit mapping, project plans are built from an assessment or inventory and analysis of the situation in the unit. To make project planning easier and more complete, a form is provided that includes spaces for inventory, analysis, treatment alternatives considered, and decisions made. Complete a form for each unit in the management area. Feel free to make multiple copies of the blank forms and as many copies of the completed forms as you will need to keep workers informed about the specifics of their project tasks.

Although all the inventory information is useful, some is more useful than others, or more useful in certain situations. This information could be used to prioritize among units. A point system could help rate units on the basis of importance or urgency (See War on Weeds Step 4. – Prioritizing Weed Management, Fact Sheet 99-78). With or without a point system, the form provides some information for objectively comparing units and alternative treatments.

As the project is implemented, the Unit Project Plan_____ (or Record of Action_____) form can be used as the permanent record.

REFERENCES:

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Unit Analysis Worksheet

Unit Name:	Unit Number:				
Unit Description (back 40 acres,	John and Mar	y Doe Farm,	Duck Cr. Wa	itershed)	
Legal description (Township	Range	Section _	, etc.)):	
Owner:		_Manager:			
Address:		_Town:			
State: Zip C	Code:	Phone:			
Total acres within this unit					
Cropland acres	%-infested w	ith weed spe	ecies:		
Density of infestation:T Range/pasture acres:	hick or heavy %-infested with	Mec	lium es:	Thin or light	
Density of infestation:	Thick or hea	avy	Medium	Thin or light	
Density of infestation:	Thick or hea	avy	Medium	Thin or light	
Density of infestation:%	Thick or hea	avy	Medium	Thin or light	
Density of infestation:70-infe	Thick or hea major invasiv	avy we weed infest	Medium station?	Thin or light	
Are adjacent or nearby sources	of invasive we	eds being tre	eated?		
If the infestation source is not cu control it? If yes, who are the key people w	irrently being to	reated, can a an this?	cooperative,	, planned treatm	ent program
Unit's value if invasive weeds an sale value, forage production/ac	re left untreated re, etc.):	d (Value may	be expresse	d as carrying ca	pacity, re-
Unit's potential value if invasive	weeds are elin	ninated:	her areas if th	e unit is left unt	reated.
1. Predominate surface soil typ	es in this unit ,	(underline o	ne, and/or cir	cle one or more)
Clay, Clay loam, Silt loam, S	lity, Sandy loar	m, or Sandy			
2. Predominant terrain in this up % Flat to gently ro	nit (mark % of lling (0% to 5%	eacn that ap	plies)		

- % Rolling (5% to 15% slopes)
- % Steep (greater than 15% slopes)
- 3. Accessibility of this unit for ground application (mark % of each that applies)
 - _% very difficult _____% easy
 - __% both (some easy, some difficult
- 4. Are there sensitive crops or other plants such as alfalfa or other crops, home gardens, endangered plant species, desirable range plants, etc. adjacent to invasive weed infested acres? Describe:

5. Describe the aquatic characteristics of the we	edv areas in this unit
Boggy/sub-irrigated/marshy	Springs Drainage
Creak/stream/river	Irrigation ditches
Lake/pond/reservoir	none
6. What percentage of the infestation is adjacent	to surface water?
7. Identify the treatment methods that could be u	sed on this unit:
Herbicide hand sprayer	Cultivation
Herbicide wick application	Hand pulling
Herbicide boom sprayer	Tillage and seeding competition
Herbicide aerial application	Biological agents
Livestock grazing	Mowing
Use of mulch	Shading weeds
Altering moisture status of the site	
For each of the treatment methods worthy of furth	ner consideration estimate or calculate answers to
the following questions before choosing the prefe	rred treatment method:
A. Is the	treatment method applicable to all or only a part
of the unit? (If or	nly a part, consider dividing the unit)
What chemicals or special equipment is needed?	
What is the cost for obtaining or using the special	equipment?
What is the cost of treatment per acre	Number of acres?
Total cost	
What is the likely level of control from this method	/?
What is the likely level of control on the rate of sp	read after using this method?
Will any special permits or permission be required	d and if so what kind?
Will follow up treatment be required and if so what	t kind?
What is follow-up cost per acre? Numb	per of acres?
Total cost	
B. Is the	treatment method applicable to all or only a part
of the unit? and	
What chemicals or special equipment is needed?	
What is the cost for getting or using the special ed	quipment?
What is the cost per acre Number Total cost	of acres?
What is the likely level of control from this method	l?
What is the likely level of control on the rate of sp	read after using this method?
Will any special permits or permission be required	d and if so what kind?
Will follow up treatment be required and if so what	t kind?
What is follow-up cost per acre Numb	per of acres?
Total cost	
C. Is the	treatment method applicable to all or only a part
of the unit? and	

What chemicals or special equipment is needed?
Will any special permits or permission be required and if so what kind?
Will follow up treatment be required and if so what kind?
What is follow-up cost per acre Number of acres?
Total cost
For treatment of this unit, which method is preferred? A B C

None is OK _____ DONE! Please complete an analysis form for each of your units.

Description of the treatment: Who will do (did) the project? When will (did) they do the project? What is (was) the stage of growth of the target species? What will (did) they do?	Unit Project Plan (or Record of Action) Unit Name:Unit Number:Unit Number: Area to be treated (or actually treated): Show this with a sketch (on the back of this sheet), refer to or attach a map, or describe the acres or the spot(s) receiving the treatment described below with a verbal description:
When will (did) they do the project? What is (was) the stage of growth of the target species? What will (did) they do?	Description of the treatment: Who will do <i>(did)</i> the project?
What will (did) they do?	When will <i>(did)</i> they do the project? What is <i>(was)</i> the stage of growth of the target species?
What equipment or special tools such as sprayers, species of livestock etc. will (did) they use? What chemicals, seeds, or other materials will (did) they use? What chemicals, seeds, or other materials will (did) they use? This treatment should be (was) applied under what environmental conditions? This treatment should be (was) applied under what environmental conditions? Temperature Soil Moisture What special precautions (dry, leafy, frosted, etc.) What will be (was) done as a follow-up procedure? What will do(did) the follow-up project? When will (did) they do the follow-up project? What about the project or the follow-up will be (was) monitored? How will to (did) the monitoring? Who will do (did) the monitoring? Who will do (did) the monitoring? What was the result obtained after the first year treatment:	What will <i>(did)</i> they do?
What chemicals, seeds, or other materials will (did) they use?	What equipment or special tools such as sprayers, species of livestock etc. will <i>(did)</i> they use?
This treatment should be (was) applied under what environmental conditions?	What chemicals, seeds, or other materials will <i>(did)</i> they use?
TemperatureSoil MoistureWind speed Vegetation conditions (dry, leafy, frosted, etc.) What special precautions were needed? What will be (was) done as a follow-up procedure? Who will do(did) the follow-up project? When will (did) they do the follow-up project? What about the project or the follow-up will be (was) monitored?	This treatment should be <i>(was)</i> applied under what environmental conditions?
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How will it be <i>(was it)</i> monitored?	What about the project or the follow-up will be <i>(was)</i> monitored?
Who will do <i>(did)</i> the monitoring? When will <i>(did)</i> they do the monitoring? What was the result obtained after the first year treatment:	How will it be <i>(was it)</i> monitored?
When will <i>(did)</i> they do the monitoring?	Who will do <i>(did)</i> the monitoring?
What was the result obtained after the first vear treatment:	When will <i>(did)</i> they do the monitoring?
	What was the result obtained after the first year treatment:
Were the control efforts successful? % Control:	Were the control efforts successful? % Control:
Should the same control be repeated or is a change in strategy needed? What amount of control was obtained in subsequent years:	Should the same control be repeated or is a change in strategy needed? What amount of control was obtained in subsequent years:
Revegetation percentage in subsequent years:	Revegetation percentage in subsequent years: