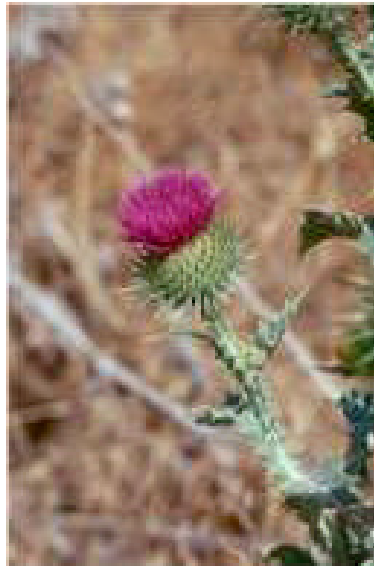




Scotch Thistle

(*Onopordum acanthium*)



Scotch Thistle	
General	Family: Sunflower (Asteraceae) Biennial Native to Europe and eastern Asia
Habitat	Found in rangelands, disturbed areas and right-of-ways Likes moist areas
PLANT	
Vegetation	Mature plants are 12 feet tall Leaves are up to 2 feet long and 1 foot wide Covered with dense hair Stems have spiny wings
Roots	Taproot
Flower	Color: Violet Season: Mid-June through September Size: 1-2 inches wide Spiny bracts
Seed	One plant can produce 20,000 to 40,000 seeds Seeds germinate in the fall and spring May remain viable in soil for over 30 years
Seedling	Rosettes can be 6 feet wide. Forms dense patches. Rosettes form the first year and bolt early May to June of the next



Reproduction	Seed
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CONTROL			
BIOLOGICAL	None		
CHEMICAL	Rosette	Banvel Curtail Transline 2,4-D RoundUp (spot treat) Tordon (Restricted Use)	Spring or fall
	Early-bolt stage	Banvel Curtail Transline RoundUp (spot treat) Tordon (Restricted Use)	Spring through early summer
CULTURAL	Prevention Removal Maintain health of site using good grazing management and keeping good cover. Revegetation of highly disturbed sites		
MECHANICAL			
Burning	May cause seeds to germinate		
Grazing	N/A		
Mowing	When used with other methods		

OTHER INFO	http://invasivespecies.gov/profiles/scotchthistle.shtml
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Use all chemicals according to the manufacturer's label. No specific recommendation or endorsement is made or implied by listing the above methods or products.