Invasive thistles of Bay Area counties

Species	Life habit	Reproduction	Mowing?
Woolly distaff thistle		Germinates throughout	
Stinkwort	Annual weed	winter, maybe into	Mow right before
		summer	flowering
Purple starthistle	Perennial	Germinates with	Mow right before
•	weed	rainfall <u>and also</u> sprouts	flowering – will
Artichoke thistle		from the roots	have to repeat

Other common purple-flowered thistles: Italian thistle • Milk thistle • Bull thistle

Herbicides for controlling thistles

Tierbiolees for controlling tinsties								
Product	Chemical	Rate per acre	Soil residual	Good for	Best timing			
Selective soil-residual chemicals for emerged plants and seedlings								
Milestone	aminopyralid	3 to 7 oz	3-6 months	Most thistles (not stinkwort)	Mid to late winter			
Transline	clopyralid	2/3 pint to 1 1/3 pint	2-3 months	Annual thistles; also good for purple starthistle	Late winter to spring			
Short or no residual; for emerged plants								
Milestone VM+	triclopyr + aminopyralid	2 to 3 qts	1-2 months	Most thistles	Spring			
Garlon	triclopyr	up to 2 qts	None	Most broadleaf plants	Late spring to summer			
Roundup and others	glyphosate	up to 2 qts	None	Almost anything green	Late spring to summer (NOT in winter)			

Integrated Management for Yellow Starthistle

Available Online: http://www.cal-ipc.org/ip/management/yst.php



Summer burning (before flowering) followed by winter application of *Milestone* or *Transline* is the best treatment for yellow starthistle. This hasn't been tested on the thistles discussed above.

Important Information Sites

wric.ucdavis.edu

- Training videos
- Herbicide susceptibility charts
- Weed Blog
- Weed identification tool
- Eventually, pages from the "Weed Control in Natural Areas" book

ipm.ucdavis.edu

- Pest control notes and fact sheets
- Weather data
- Free online training courses

cal-ipc.org

- Invasive plants information and impacts
- Maps of invasive plants
- Weed management areas
- Order "Weed Control in Natural Areas"

genericherbicides.com

- Inexpensive source for clopyralid, triclopyr, glyphosate, and surfactants