HS196



Weed Control in Strawberry ¹

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Strawberries are produced in Florida on the annual hill system instead of the matted row system as in the more northern states. Because the production scheme is more closely related to other vegetables in Florida instead of the more perennial fruit crops, the strawberry is handled as a vegetable.

Over 5000 acres of strawberries are grown in Florida each year. The production season is spread over 6 to 7 months and as a result, the weed species present in the field change during that time. No herbicide could be expected to suppress weeds for the total strawberry production season. A combination of weed control methods is needed.

The use of broad spectrum fumigants at rates that will control weeds, used in combination of plastic mulch greatly enhances weed control as well as control of nematodes and soil born diseases. Weeds can grow in the plant holes. Hand weeding along with herbicides can assist in alleviating this problem.

Weeds growing in the non-mulched bed middles may be controlled by cultivation and herbicides.

A hay or straw mulch placed between the plastic beds also can assist in weed control as well as help in keeping soil from splashing up on the bed during rains, irrigation and harvest traffic. One should take care not to bring in more problem weed seeds with the straw mulch.

Herbicides must be applied at exactly the correct rate and time to selectively control weed growth (Table 1). Obtain consistent results by reading the herbicide label and other information about the proper application and timing of each herbicide. Herbicides applied to the row middles incorrectly may be absorbed by strawberry roots growing in the row middles, or the herbicide may move laterally under the plant bed with the soil water.

Read and follow the label.

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 Table 1. Chemical weed controls:
 strawberries.

Herbicide	Labeled crops	Time of application to crop	Rate (lbs. Al./Acre)	
			Mineral	Muck
Aciflurofen (Ultra Blazer)	Strawberry	Directed-shielded Row-middles	0.375	
		ergence control of certain broadle eds. Do not allow contact with str		
Carfentrazone (Aim)	Strawberry	Preplant Directed-hooded Row-middles	0.031	0.031
application to row r herbicides. May be	middles for the burndown of	burndown treatment and/or as a emerged broadleaf weeds. May 1 lb ai). Use a quality spray adjuv	be tank mixed with oth	er registered
Clethodim (Select) (Arrow)	Strawberry	Postemergence	0.1-0.125	
		l and perennial grasses. Use a cin 8 fl. oz. product/A per application	•	
Napropamide (Devrinol 50 DF) (Devrinol)	Strawberries	Row middles Pretransplant Incorporate	2.0-4.0	
		al broadleaf weeds. Mechanicalles. Do not apply from bloom to he		in to a depth of 2
Oxyfluorfen (Goal 2XL)(Goaltender)	Strawberry	Fallow bed prior to transplanting Mulch culture	0.25-0.5	
		anting interval. Mulch may be pu ment to pre-formed beds as a fal		this period. Apply
Paraquat (Gramoxone Inteon) (Firestorm)	Strawberry	Postemergence directed spray	0.47	
and suppression of Gramoxone Extra p	emerged perennial weeds per sprayed acre in a minim	br control of emerged annual broad between the rows after crop emo num of 20 gals. spray mix. Use sh oly more than 3 times per crop se	ergence or establishme nields to prevent spray	nt. Apply 1 1/2 pts contact with crop
Paraquat (Gramoxone Inteon)	Strawberry	Post Harvest Desiccation	0.5	
		or desiccation of strawberry plant mix. Do not apply more than 3	_	ld a non-ionic
Pelargonic Acid (Scythe)	Strawberry	Preplant Directed-shielded	3-10% v/v	
	is a contact, nonselective, . Consult label for rates.	foliar herbicide. It has no residua	al control. May be tank	mixed with soil
Terbacil (Sinbar)	Strawberry	Pretransplant	0.2	
	once-per-year application on the control of the con	of 4 oz. of Sinbar per acre after be limitations.	edding but prior to trans	splanting. Note - a