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کارشناس تحقیقات

مدیریت علف‌های هرز آفتابگردان
Sunflower Weeds Management

مرکز تحقیقات کاربردی و تولید بذر، شرکت توسعه کشت دانه‌های روغنی

Herbicides used and their application rate per hectare		Pre-planting (incorporated with soil)		Pre-emergence	Post-emergence				Integrated weeds management
		Verflan(Trifluralin) 2-2.5 litre	Sonalan (Ethalfluralin) 3-3.5 litre	Pendimethalin* (Stomp) 3-4.5 litre	Gallant (Haloxypop etoxyethyl) 2-2.5 litre	Gallant super (Haloxypop-R methyl ester) 0.75-1 litre	Focus (Cycloxydim) 2 litre	Select Super (Clethodim) 0.8-1 litre	
Broad leaf	Velvetleaf (<i>Abutilon theophrasti</i>)								-Use of healthy and certified seed with no weeds seed. -Timely cultivation. -Proper sowing depth. -Proper sowing density -Rotation and weed control. -Wet planting (irrigation of the ground before cultivation and control of weeds). -Use of cultivator in row cropping. -Timely use of herbicides (post-emergence herbicides are better to be used at 2-6 leaves stage of the weeds). -In order to prevent resistance to herbicides, it is better to change the type of herbicides used at different times. *-Pendimethalin (Stomp) can be used as pre planting and incorporated in soil. For better effectiveness of this herbicide, it is necessary to provide enough moisture on the soil surface for some time after spraying. It is not recommended in dry weather condition of spring, unless it rains or irrigated.
	Pigweed (<i>Amaranthus retroflexus</i>)								
	Goosefoots (<i>Chenopodium album</i>)								
	Black nightshade (<i>Solanum nigrum</i>)								
	Wild gooseberry (<i>Physalis angulate</i>)								
	Cocklebur (<i>Xanthium strumarium</i>)								
	Cleavers (<i>Galium aparine</i>)								
	Jimson weed(<i>Datura stramonium</i>)								
	Bindweed (<i>Convolvulus arvensis</i>)								
s	Nutsedges (<i>Cyperus spp</i>)								
narrow leaf	Johnsongrass (<i>Sorghum halepense</i>)								
	Barnyard grass (<i>Echinochloa crus_galli</i>)								
	Greenfoxtail (<i>Setaria viridis</i>)								
	Bermudagrass (<i>Cynodon dactylon</i>)								
		Effective	partially effective	ineffective	Unknown				