

Crop, Situation, and Active Chemical Per Broadcast Acre	Weeds Controlled	Formulated Material Per Broadcast Acre	Time of Application	Method of Application and Precautions
SUNFLOWERS (Grown for Doves)				
Note: Sunflower recommendations are based on drilled or planted sunflowers with adequate seed coverage. Broadcast seeding may result in an increased risk of herbicide injury.				
Preplant Incorporated				
metolachlor @ 1.27 lb/A	Annual grasses, nutsedge, and small-seeded broadleaf weeds.	Dual Magnum 1.33 pt/A.	Prior to planting.	Avoid high rates.
pendimethalin @ 0.5 to 1.5 lb/A	Annual grasses and small-seeded broadleaf weeds.	Prowl 3.3 EC or Pendimax 3.3 EC 1.2 to 3.6 pt/A.	Up to 14 days prior to planting.	Incorporate within 7 days. Use low rate on sandy soils.
ethalfuralin @ 0.56 to 1.125 lb/A	Annual grasses and small-seeded broadleaf weeds.	Sonalan HFP 1.5 to 3 pt/A.	Prior to planting.	Incorporate with two passes in opposite directions no more than 48 hours after application. See label for improved groundcherry control program.
trifluralin @ 0.5 to 1.0 lb/A	Annual grasses and small-seeded broadleaf weeds.	Treflan, Trilin, Trifluralin 4 EC 1.0 to 2.0 pt/A.	Up to 14 days prior to planting.	Incorporate immediately. Use 1 pt/A on sandy soils.
Preemergence				
metolachlor @ 1.27 lb/A	Annual grasses and small-seeded broadleaf weeds.	Dual Magnum 1.33 pt/A.	Immediately after planting.	Do not apply POST. Avoid high rates.
pendimethalin @ 0.5 to 1.5 lb/A	Annual grasses and small-seeded broadleaf weeds.	Prowl or Pendimax 3.3 1.2 to 3.6 pt/A.	Immediately after planting.	Must receive activating rainfall within 7 days. Do not apply POST.
sulfentrazone + carfentrazone @ 0.12 + 0.014 to 0.15 to 0.016 lb/A	Annual broadleaf weeds.	Spartan Charge 5 to 6 oz/A.	Up to 3 days after planting.	Do not use POST. Tank mixtures of Prowl or Dual with Spartan have performed well in University trials.
sulfentrazone + S-metolachlor @ 0.13 + 1.2 lb/A	Grass and broadleaf weeds.	BroadAxe 7 EC or Authority Elite 24 oz/A.	Immediately after planting.	Do not apply POST.
Postemergence				
clethodim @ 0.125 lb/A	Annual grasses, johnsongrass, and red rice.	Select Max 0.97 EC 16 oz/A. Use 1 qt/A or 1.0% v/v crop oil concentrate.	2 to 6 inch tall grass weeds.	Must add crop oil concentrate. Avoid applications during periods of drought.
Clearfield Sunflowers				
imazamox @0.039 lb/A	Annual grasses, suppression of johnsongrass and certain broadleaf weeds. Good on broadleaf signalgrass and foxtail.	Beyond 1 AS 5 oz/A. Surfactant and liquid nitrogen are required as adjuvants.	3 to 4 inch weeds and grass.	Avoid applications during dry periods. Preliminary research has shown that a soil-applied program is needed prior to making POST Beyond applications in Arkansas. Use on Clearfield hybrids only!