

Quick Alabama Reference Guide for Glyphosate Resistant Horseweed and Palmer Amaranth Control in COTTON

Note: Read and follow all manufacturer's label directions prior to application. Suggested products and rates are meant as guides and do not substitute for label directions.

BURNDOWN*	MOA*	RATES/A	RESTRICTIONS	REMARKS
Roundup PowerMax + dicamba or 2,4-D + Valor	9, 4, 14	22-43 fl. oz + 8 or 16 fl. Oz + 1-2 oz	Dicamba 21 days with 1 in rain, 2,4-D ester 30 days and Valor 14 days prior to plant.	Dicamba and 2,4-D provide no residual, Valor provides no foliar on horseweed. See tank cleaning needed for Valor.
Ignite 280 or Gramoxone Inteon + Valor or diuron or Caparol.	10, 22, 14, 7, 5	29 or 32 fl. oz + 1-2 oz. or 1.5 pts.	Add non-ionic surfactant @ 1 qt per 100 gal spray mix to Gramoxone. Apply 14 days prior to plant.	Apply Ignite and Gramoxone at temps above 60 F in 15 gallons/A spray volume and sunny weather.
PRE-PLANT INCORPORATED*	MOA*	RATES/A	RESTRICTIONS	REMARKS
Treflan	3	24 oz		Must be incorporated following application.
PREEMERGENCE*	MOA*	RATES/A	RESTRICTIONS	REMARKS
Cotoran 4L, Diuron 4L, Caparol 4L, or Solicam DF or Staple LX	7, 5, 12, 2	2-3 pts or 1-1.25 lb or 3 fl. oz	DO NOT USE Cotoran in Colbert, Lawrence, Limestone, Madison, or Tuscaloosa Counties	Provides residual control, need 0.5 in or more rain for activation. Plant back following Cotoran is 3M-Wheat, 8M-Corn, 9M-Soybeans. Diuron is 12M-Wheat, Corn and Soybean-next crop year.
Reflex 2EC	14	1 pt	Apply to medium or fine textured soils up to 21 days prior to planting. A minimum of 0.5 in of rainfall must occur before planting.	Apply behind the planter on sandy soils. May to mixed with burndown herbicides on fine textured soil. Plant back restrictions: Corn-10M, Wheat-4M
Prowl H2O	3	2-3 pts	A minimum of .5 inch of rainfall is needed within 7 days to activate.	May be mixed with burndown herbicides.
POSTEMERGENCE*	MOA*	RATES/A	RESTRICTIONS	REMARKS
Roundup Pmax (RF) or Ignite 280 (LL) + Dual Magnum	9, 10, 15	22-43 or 29 fl. oz + 1-1.3 pt	Apply before weeds emerge, possibly on 1-3 lf cotton.	Dual Magnum has only residual activity.
Roundup Pmax (RF) + Warrant	9, 15	22-43 fl. oz + 3 pts	Can make two applications, first when cotton is 2-3 lf, second as a directed spray after 4 nodes	Warrant has only residual activity.
Ignite 280 (LL)	10	29 fl. oz	A total of 87 fl. oz/A can be used from burndown until 70 days prior to harvest	No adjuvant is needed for Ignite. DO NOT spray at night.
Diuron or Layby Pro (diuron + linuron) or Suprend (Envoke + prometryn) or Valor	7, 2, 5, 14	2 pts or 2 pts or 1 lb. or 2 oz	Post direct at layby with 2.5 pts MSMA	Use non-ionic surfactant @ 1 qt per 100 gal spray. See label restrictions on following crops. Max. usage of Valor is 4 oz/year.

* All herbicides with the same color or MOA number have the same Mode of Action (MOA).