

Brake® Herbicide - Technical Information

Registered for use in Cotton and Peanut in AL, AR, GA, FL, KS, LA, MO, MS, NC, OK, SC, TN, TX, and VA

Active Ingredient: Fluridone – PDS Inhibitor (Group 12)

Formulation: Suspension Concentrate (SC) – 1.2 lb fluridone/gallon

Application Method: Broadcast or banded spray to the soil surface

- Minimum spray volume of 10 gal/ac.

Application Timing: Preplant up to 14 days prior to planting
Preemergence within 36 hours after planting

Activating Rainfall/Irrigation: 0.5" rainfall/irrigation is required for activation

- Supplemental irrigation to keep the soil moist during the season will improve control.

Weeds Controlled: Preemergence control of annual grass and small seeded broadleaf weeds.

- Application to soils with high organic matter (e.g. >3%) may result in reduced efficacy.

Key Species Controlled:

Broadleaf Weeds Controlled		Grasses Controlled
Annual sowthistle	Pigweeds	Annual bluegrass
Blessed milkthistle	Prickly lettuce	Barnyardgrass
Carpetweed	Prickly sida (teaweed)	Crabgrass
Florida pusley	Prostrate knotweed	Goosegrass
Ground cherries	Puncture vine	Hare barley
Horseweed (marestail)	Purple deadnettle	Italian ryegrass
Hairy fleabane	Purslane	Johnsongrass (seedling)
Hairy willowherb	Ragweeds	Junglerice
Henbit	Shepherd's purse	Orcutt lovegrass
Lambsquarters	Spurges	Fall panicum
London rocket	Redstem filaree	Red sprangletop
Mallow	Russian thistle	
Nightshades	Waterhemp	
Palmer amaranth	Whitestem filaree	
Panicle willowweed	Wild radish	

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Cotton Application Rates: 16 to 32 fl oz/acre

- Required to be mixed with another residual herbicide if applying < 21 fl oz Brake®/acre

Cotton Herbicide Program:

1. Preplant burndown to control existing weeds
2. Tank-mix 16 fl oz Brake with another residual herbicide (e.g. Cotoran® or Reflex®) and a burndown (e.g. Gramoxone®)
3. Apply Brake tank-mix at planting or within 36 hours of planting
4. Make a postemergence application within 18 days after planting containing an overlapping residual (e.g. Dual Magnum®) + non-residual(s) (e.g. Liberty®) compatible with your cotton variety
5. Scout and utilize additional postemergence applications with overlapping residual as needed

Peanut Application Rates: 12 to 16 fl oz/acre

- **Do not** apply more than 12 fl oz Brake/acre on sand and loamy sand soils
- Required to be mixed with another residual herbicide regardless of Brake rate
- This product has been tested on the following peanut cultivars: GA-06G; GA-16HO; GA-18RU; GA-20VHO; AUNPL-17; TIFNV High O/L; FLORUN 331; Bailey; Bailey II; and Sullivan. GA-16HO may exhibit more visual injury (e.g. bleaching, stunting, necrosis) following an application than the other cultivars tested, but the injury is transient and plants typically outgrow the effects and develop normally without yield loss.
- Verify with your local SePRO Ag representative the selectivity of this product on each cultivar that will be planted if the soil pH is greater than 7.5.

Peanut Herbicide Program:

1. Preplant burndown to control existing weeds
2. Choose correct rate of Brake based on soil type:
 - Sands and loamy sands = 12 fl oz Brake/acre
 - All other soil types = 16 fl oz Brake/acre
3. Tank-mix Brake with another residual herbicide (e.g. Valor®) and a burndown (e.g. Gramoxone)
4. Apply Brake tank-mix at planting or within 36 hours of planting
5. Make a postemergence application within 24 days after planting containing an overlapping residual (e.g. Dual Magnum) + non-residual(s) (e.g. Cobra® + 2,4-DB)
6. Scout and utilize additional postemergence applications with overlapping residual as needed

Restrictions:

- **Do not** apply more than 32 fl oz Brake/acre in cotton.
- **Do not** apply more than 16 fl oz Brake/acre in peanut.
- Plant peanut at least 1.5 inches deep.
- **Do not** apply to 'Spanish' or 'Valencia' type peanut.
- **Do not** apply to GA-16HO peanut in sand, loamy sand, or sandy loam soils with a soil pH greater than 7.5 as crop injury will likely occur.
- **Do not** apply postemergence in cotton or peanut.
- **Do not** apply to same field more than two years in a row.
- **Do not** tank-mix with spray adjuvants or drift control agents containing polyacrylamide.
- **Do not** allow tank-mixed material to sit in the spray tank for extended periods without agitation (e.g. overnight)
- **Do not** apply by air.
- **Do not** apply through any type of irrigation system.

Visit www.ag.sepro.com for more information.

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