

Crop, Situation, and Active Chemical Per Broadcast Acre	Weeds Controlled	Formulated Material Per Broadcast Acre	Time of Application	Method of Application and Precautions
PEANUT—Preplant				
pendimethalin @ 0.75 to 1 lb/A	Annual grass and small-seeded broadleaf weeds.	Prowl 3.3 EC 1.8 to 2.4 pt/A. or Prowl H2O 3.8 CS 1.8 to 2.4 pt/A.	Incorporate in top 1" to 2" of final seedbed.	See label for details.
ethalfluralin @ 0.56 to 1.12 lb/A	Annual grass and small-seeded broadleaf weeds.	Sonalan 3 HFP 1.5 to 3 pt/A.	Incorporate in the top 2" to 3" after application.	See label.
Preplant or Preemergence				
fluridone @ 0.11 to 0.15 lb/A	Control of small-seeded grasses and broadleaves. Good tankmix partner for pigweed	Brake 12 to 16 oz/A Use lighter rate on sands	Preplant, at planting or before crop emergence.	Do not apply to Spanish or Valencia type peanut. Plant peanut at least 1.5 in deep.
S-metolachlor @ 0.9 to 1.8 lb/A	Most small-seeded annuals, yellow nutsedge and pigweed.	Dual Magnum 7.62 EC 1 to 2 pt/A.	Preplant within 7 days before planting and incorporate 1½ to 2 inches deep or immediately after planting with or without soil incorporation.	If incorporating after planting, do not disturb seed. Incorporation may be helpful under dry soil conditions. Can be applied post up to 90 days prior to harvest.
dimethenamid @ 0.56 to 0.98 lb/A	Small-seeded annuals and better control group 15 resistant pigweed.	Outlook 6 EC 12 to 21 oz/A.	Preplant within 7 days before planting and incorporate 1½ to 2 inches deep or immediately after planting with or without soil incorporation.	If incorporating after planting, do not disturb seed. Incorporation may be helpful under dry soil conditions. Can be applied post up to 90 days prior to harvest.
diclosulam @ 0.024 lb/A	Copperleaf, eclipta, cocklebur, morningglories, other small-seeded broadleaf weeds and yellow nutsedge. Post control of horseweed.	Strongarm 84 DG 0.45 oz/A.	Preplant incorporated or pre-emergence.	See label for rotation restrictions and precautions. Cotton rotation 10 months.
carfentrazone + sulfentrazone @ 0.008 to 0.014 + 0.08 to 0.12 lb/A	Pigweed, smartweed, morning-glory and nightshade.	Spartan Charge 3.5L Coarse soil 3.0 oz Medium soil 4.0 oz Fine soil 5.0 oz	Pre or pre-plant burndown.	Do not apply to sandy soils with less than 1% OM. Do not apply after crop emerges or irrigate during "cracking."
flumioxazin @ 0.063 to 0.096 lb/A	Pigweed , eclipta, copperleaf, morningglory.	Valor 51 WDG 2 to 3 oz/A.	Preemergence immediately after planting.	Do not apply after cracking. Do not irrigate while peanut are cracking.
imazethapyr @ 0.063 lb/A	Nutsedge suppression plus broadleaves.	Pursuit 70 DG 1.44 oz/A.	Shallow incorporation through at-crack.	May be tank mixed with Dual.

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pyroxasulfone @ 0.065 to 0.11 lb/A	Residual control of grasses and small-seeded broadleaves, pigweed.	Zidua 4.17 SC 2.5 to 3.25 oz/A.	Zidua may be applied at cracking or early post. 14 days after last application.	Be aware of potential varietal issues. Do not exceed 8.25 fl oz/A per year. Do not exceed 3.25 fl oz/A per application!
pyroxasulfone + carfentrazone @ 0.086 to 0.11 lb/A + 0.006 to 0.0151 lb/A	Residual control of grasses and small-seeded broadleaves, pigweed.	Anthem Flex 4SC 2.9 to 4.0 oz/A.	Anthem Flex may be applied from at cracking to first leaf stage through beginning pod development.	Be aware of potential varietal issues. Do not exceed 4.0 fl oz per application.
2,4-DB @ 0.2 lb/A	Common cocklebur, morningglory.	Butyrac, Butoxone 0.8 pt/A of 2 lb/gal, 2,4-DB or 1 pt/A of 1.75 lb/gal 2,4-DB.	Overtop. 2 to 12 weeks after planting.	See label for description. Cutoff is 12 weeks after planting. Do not apply if peanut are drought stressed.
metolachlor @ 0.9 to 1.8 lb/A	Small-seeded grass and broadleaf weeds.	Dual Magnum 7.62 EC 1 to 2 pt/A.	3- to 4-leaf up to flowering.	Will not kill emerged weeds.
bentazon @ 0.75 to 1 lb/A	Common cocklebur, prickly sida, spurred anoda, velvetleaf, smartweed, common ragweed. Refer to soybean rating table.	Basagran 1.5 to 2 pt/A.	Overtop to small weeds.	Do not apply to peanut in stress condition. See label for details.
acetochlor @ 1.13 lb/A	Small-seeded broadleaf and grass weeds.	Warrant 3ME 3 pt/A.	3- to 4-leaf up to flowering.	Will not kill emerged weeds.
dimethenamid @ 0.56 to .98 lb/A	Improved residual control of grasses and group 15 resistant pigweed.	Outlook 12 to 16 oz/A.	From emergence until 80 days prior to harvest.	Will not kill emerged weeds.
acifluorfen @ 0.375 to 0.5 lb/A	Pigweed, morningglory, prostrate spurge, hophornbeam, copperleaf and many other broadleaf weeds. Refer to soybean rating table.	Ultra Blazer 2L 1.5 to 2 pt/A. For most weeds, use 2 pt rate. Refer to label.	Overtop when weeds are in 2- to 4-leaf stage.	Do not apply within 75 days of harvest. Refer to label for other restrictions and precautions.
bentazon + acifluorfen @ 0.5 + 0.25 lb/A	See Basagran and Ultra Blazer comments above. Refer to soybean rating table.	Storm 4L 1.5 pt/A. Add 1 pt/A crop oil concentrate.	Over top to small weeds.	See Basagran and Ultra Blazer comments above.
paraquat @ 0.125 to 0.25 lb/A	Most annual grasses and broadleaf weeds.	Paraquat (3 lb/gal) 5.3 to 10.67 oz/A.	At planting or prior to crop emergence through postemergence (up to ground crack + 28 days).	Some crop injury will occur in the form of browning and leaf crinkling but will recover and develop normally. The addition of Basagran to paraquat may reduce peanut foliar burn. Do not apply more than 0.125 lb/A per year.
imazethapyr @ 0.063 lb/A	Morningglory, common cocklebur, spotted spurge, yellow and purple nutsedge, velvetleaf, ragweeds, pigweeds, smartweed and nightshades.	Pursuit 70 DG 4 oz/A 2SL or 1.44 oz/A 70 DG. Add a surfactant.	At cracking or early postemergence to small weeds.	Refer to label for crop rotation restrictions. Weed control with Pursuit will be slow.

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sethoxydim @ 0.2 to 0.3 lb/A	Annual grasses and johnsongrass.	Poast Plus 1E 1 to 1.5 pt/A. Add 1 qt/A crop oil concentrate. Use 1 pt rate for small annual grasses.	Before annual grasses exceed 14 days after emergence. Johnsongrass - 15" to 20"	See comments for Poast Plus in soybean section. Do not apply more than 2.5 pt/A per year.
clethodim @ 0.125 to 0.156 lb/A	Annual grasses and johnsongrass.	Select 2 EC or Select Max 8 or 16 oz/A. Add 1% crop oil concentrate + AMS.	Before annual grasses exceed 14 days after emergence. Johnsongrass - 15" to 20"	See comments for Select in soybeans.
imazapic @ 0.063 lb/A	Most broadleaf and grass weeds, nutsedge and johnsongrass. Sicklepod.	Cadre 2 AS 4 oz/A. Add a nonionic surfactant or crop oil concentrate.	Early postemergence to small weeds.	See label for details, precautions and plant-back intervals. For sicklepod, apply in combination with 2,4-DB.
lactofen @ 0.195 lb/A	Most broadleaf weeds.	Cobra 2 EC 12.5 oz/A + 1% v/v crop oil concentrate.	After 6-leaf stage. 45 days prior to harvest.	Rain-free period is 30 minutes.
acetochlor @ 1.13 lb/A	Small-seeded broadleaf and grass weeds.	Warrant 3 ME 3 pt/A.	3- to 4-leaf up to flowering.	Will not kill emerged weeds.
Harvest Aid				
carfentrazone @ 0.031 lb/A	Morningglory desiccation.	Aim 2 EC 2 oz/A + 1% v/v crop oil concentrate.	7 days prior to harvest.	Do not feed peanut hay only. One application per season. 6 to 8 hours required prior to rain or irrigation for digging.
pyraflufen ethyl @0.02 lb/A	General harvest aid – broadleaf weeds.	E.T. 0.2 EC 1.5 oz/A.	1 week prior to digging.	Do not feed peanut hay only. One application per season. 6 to 8 hours required prior to rain or irrigation for digging.

ALS-Resistant Pigweed Programs*

Program 1: Prowl preplant incorporated, followed by Valor, followed by Cobra or Ultra Blazer + Dual or Warrant + 2,4-DB on 3" or smaller pigweed.

Program 2: Prowl preplant incorporated, followed by paraquat + Storm + Zidua or Dual at cracking, followed by Cobra or Ultra Blazer + 2,4-DB + Outlook or Zidua on 3" or smaller pigweed.

*ALS peanut herbicides include Cadre, Pursuit and Strongarm.

For PPO-Resistant pigweed

Program 3. Valor (3 oz) or Brake (12 oz) plus 16 oz Outlook or 1.3 pt/A Dual Magnum PRE followed by paraquat + Storm + Zidua 21-28 DAP followed by either Anthem Flex, Warrant, or Outlook at 14-21 days after previous application. Add Ultra Blazer or Storm plus 2,4-DB if necessary, for morningglories and clethodim for grasses.