

| Crop, Situation, and Active Chemical Per Broadcast Acre | Weeds Controlled | Formulated Material Per Broadcast Acre | Time of Application | Method of Application and Precautions |
|--|--|---|--|---|
| PEANUTS—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. | May be tank mixed with Vernam for nutsedge control. See label for details. |
| ethalfuralin @ 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 | | | | |
| metolachlor @ 0.9 to 1.8 lb/A | Most small-seeded annuals, yellow nutsedge. | 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. | 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. |
| 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. | Preemerge immediately after planting. | Do not apply after cracking. Do not irrigate while peanuts 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. |
| pyroxasulfone @ 0.08 to 0.10 lb/A | Grasses and small-seeded broadleaves, pigweed. | Zidua 0.86 WG or Zidua 4.17 SC 1.5 to 2.0 oz/A or 2.5 to 3.25 oz/A. | Pre or pre-plant burndown. Zidua may also be applied early post. 14 days after last application. | Be aware of potential varietal issues. Do not exceed 5.0 oz per year. Do not exceed 2.1 oz per application! |

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| Postemergence | | | | |
| 2,4-DB @ 0.2 lb/A | Common cocklebur, morning-glory. | 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 peanuts are drought stressed. |
| bentazon @ 0.75 to 1 lb/A | Common cocklebur, prickly sida, spurred anoda, velvetleaf, smartweed, common ragweed. Refer to soybean rating table. | Basagran 4L 1.5 to 2 pt/A. | Overtop to small weeds. | Do not apply to peanuts in stress condition. See label for details. |
| 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 lb/A | Most annual grasses and broadleaf weeds. | Paraquat (2 or 3 lb/gal formulations) 5.5 or 16 oz/A + surfactant. Can apply half rates twice, 28 days apart. | At planting or prior to crop emergence through postemergence. | 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. |
| 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. |

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| 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 3L 3 pt/A. | 3- to 4-leaf up to flowering. | Will not kill emerged weeds. |
| metolachlor @ 0.9 to 1.8 lb/A | Small-seeded grass and broad-leaf weeds. | Dual Magnum 7.62 EC 1 to 2 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 + Dual at cracking, followed by Cobra or Ultra Blazer + 2,4-DB + Dual Magnum on 3" or smaller pigweed.

*ALS peanut herbicides include Cadre, Pursuit and Strongarm.