

Crop, Situation, and Active Chemical Per Broadcast Acre	Weeds Controlled	Formulated Material Per Broadcast Acre	Time of Application	Method of Application and Precautions
EDAMAME (edible vegetable bean)				
Preplant Burndown				
paraquat @ 0.47 to 0.94 lb/A	Annual broadleaf and grass weeds (existing vegetation).	Paraquat (2 or 3 lb/gal formulations) 32 to 64 oz/A or 1.88 to 3 pt/A in at least 20 gal water per acre for ground application. 5 to 10 gal for aerial application. Add 0.25% surfactant.	Use prior to planting on seedbeds that are not to be disturbed before planting. Use higher rate on weeds larger than 2 inches.	Good spray coverage is essential.
glyphosate @ 1 lb/A	Annual grasses and broadleaf weeds (existing vegetation). Weak on morningglories.	Glyphosate (4 lb/gal formulations) 2 pt/A. Use high rate on all but very small weeds.	Use prior to planting for vegetation knockdown. Can be tank mixed with Pursuit or Spartan Charge for improved control of some species and residual activity.	Best results when applied in lower spray volumes, i.e., 5 to 10 gpa.
Preplant Incorporated				
trifluralin @ 0.5 to 1 lb/A	Annual grass weeds and johnsongrass from seed.	Treflan 4 EC 1 to 2 pt/A.	From 6 weeks prior to planting to time of planting.	See Treflan recommendations in Soybean section.
S-metolachlor @ 0.95 to 1.6 lb/A	Weedy rice, annual grasses and yellow nutsedge.	Dual Magnum 7.62 EC 1 to 1.67 pt/A.	During final seedbed preparation (within 7 days of planting). Can be applied up to third trifoliolate.	See Dual Magnum recommendations in Soybean section.
imazethapyr @ 0.063 lb/A	Yellow nutsedge, pitted, entire-leaf and ivyleaf morningglories, spotted spurge and smartweed. Suppression of annual grass, weedy rice and johnsongrass.	Pursuit 2EC 4 oz/A.	During final seedbed preparation up to 7 days before planting. Can be tank-mixed with Dual. Can also be tank-mixed with glyphosate for preplant burndown to improve nutsedge control.	Can give excellent residual control if rain occurs within 5 days. 40 month rotation to non Clearfield rice.
Preemergence				
S-metolachlor @ 0.9 to 1.5 lb/A	Annual grasses, weedy rice, nutsedge and small-seeded broadleaves.	Dual Magnum 7.62 EC 1 to 1.67 pt/A.	At planting, up to third trifoliolate.	Rainfall needed for activation.
linuron @ 0.5 to 1.0 lb/A	Small-seeded broadleaf weeds.	Lorox 50 DF 1 to 2 lb/A.	Apply immediately after planting – before soybean emergence.	See supplementary label.
carfentrazone + sulfentrazone @ 0.008 to 0.02 + 0.075 to 0.175 lb/A	Small-seeded broadleaf weeds.	Spartan Charge 3.45 SL 3 to 7 oz/A.	Apply immediately after planting – before soybean emergence.	See AR 24(c) label.
clomazone @ 0.5 lb/A	Annual grass. See soybean and rice tables.	Clomazone 3ME 1.3 pt/A.	Apply immediately after planting – before soybean emergence.	See soybean and rice tables. One application per year.

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imazamox @ 0.032 lb/A	Some grasses and broadleaf weeds.	Raptor 1 EC 4 oz/A. Add 0.25% v/v NIS.	Apply to 2" to 4" weeds.	See supplementary label.
imazethapyr @ 0.063 lb/A	Yellow nutsedge, pitted, entire-leaf and ivyleaf morningglories, spotted spurge and smartweed. Suppression of annual grass, weedy rice and johnsongrass.	Pursuit 2 EC 4 oz/A. Add a nonionic surfactant.	Within first 10 days after weed emergence.	Timing is extremely critical. Weeds must be very small. Can give excellent residual control if rain occurs within 5 days. 40-month rotation to non Clearfield rice.
clethodim @ 0.25 lb/A	Annual grasses, bermudagrass and johnsongrass. Weedy rice seedhead suppression.	Select 2E or Select Max 0.97 EC 8 or 16 oz/A. Add 1% crop oil concentrate + AMS.	Before annual grasses exceed 14 days after emergence. Johnsongrass - 12" to 24". Bermudagrass - 3" height or 6" runner length maximum. For weedy rice seedhead suppression, apply at internode elongation stage of weedy rice.	See comments (p. 57) for Poast Plus and Fusilade on cultivation and tank mixing. Performance comparable to Assure II for annual grasses and johnsongrass.
fomesafen @ 0.25 lb/A	Broadleaf weeds.	Reflex 2 EC 1 pt/A.	Up to three trifoliolate.	Do not apply late – will burn pods and blooms.

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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.	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				
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 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.