

PEANUT WEED MANAGEMENT

Table 1. Preplant incorporated and preemergence herbicides.

Active Ingredient and Rate	Formulated Product and Rate	Weeds Controlled	Remarks and Precautions
diclosulam - 0.024 lb/A	Strongarm - 0.45 oz/A	Broadleaf weeds	Soil incorporate 1-3 inches deep. Should be tank-mixed with a grass herbicide. If surface-applied, at least 0.25-0.5 inches of supplemental moisture is needed for activation. See label for complete rotation restrictions: cotton = 10 months; corn = 18 months (IR hybrids = 10 months); soybean = 0 months.
ethalfluralin - 0.56-1.13 lb/A	Various formulations. See product label for specific rates.	Most annual grasses; many small-seed annual broadleaf weeds	Soil incorporate 2-3 inches deep soon after application. Bedding must not expose untreated soil. Use low rate for light and high rate for heavy soils.
flumioxazin - 0.064-0.096lb/A	Various formulations. See product label for specific rates.	Pigweeds, sida; other broadleaf weeds; some grass suppression.	Apply after planting, but no later than 2 days after planting. Do not irrigate when peanuts are cracking. Rainfall or irrigation at cracking will cause temporary crop injury that should result in reduced yields if applied according to the label.
imazethapyr - 0.0625 lb/A	Pursuit 2E - 4 oz/A Rate may be split 4 oz/A preplant incorporated or preemergence followed by 4 oz/A postemergence	Several broadleaf weeds, many annual grasses, yellow nutsedge, purple nutsedge	Do not apply more than 4 oz./A of Pursuit during the growing season. Do not graze or feed treated forage to livestock. See label for complete rotation restrictions: cotton = 18 months; wheat = 4 months.
pendimethalin - 0.74-0.99 lb/A	Various formulations. See product label for specific rates.	Annual grasses; small-seeded broadleaves	Apply at preplant incorporated up to 45 days before planting. For best performance incorporate within 7 days of applications.
S-metolachlor – 1-1.5 lb/A	Various formulations. See product label for specific rates.	Annual grasses and small-seeded broadleaf weeds; yellow nutsedge suppression	For preplant incorporation, apply within 14 days of planting. For preemergence (soil surface), apply after planting and before weeds emerge. May be tank-mixed with other PRE herbicide; consult label.

Table 2. Postemergence and preharvest desiccant herbicides.

Active Ingredient and Rate	Formulated Product and Rate	Weeds Controlled	Remarks and Precautions
2,4-DB - 0.2-0.4 lb/A	1.75 lb/gal formulation - 0.9-1.75 pt/A 2 lb/gal formulation - 0.8-1.6 pt/A	Cocklebur, morningglory; fair control of other broadleaf weeds	Apply when weeds are small and actively growing, 2-12 weeks after planting. Low rates control cocklebur, highest rate for other weeds. Do not apply within 30 days of harvest. See label for restrictions.
acifluorfen - 0.25-0.50 lb/A	Ultra Blazer - 1.0-2.0 pts/A Add 0.25% v/v NIS	Pigweed, morningglory, wild poinsettia, sesbania	Apply when weeds have 2-4 leaves. Do not apply to crop or weeds under stress. Do not apply Ultra Blazer within 75 days of harvest. Do not apply more than 2 pts/A during growing season. Rainfall received within 6 hours of application may reduce control. Do not graze or feed treated foliage to livestock.
bentazon + acifluorfen - 0.75 lb/A	Storm 4EC - 1.5 pt/A Add 0.25% v/v NIS	Several broadleaf weeds; increased control of morningglories over Basagran alone	Do not apply if peanuts are under stress. Do not apply more than a total of 1.5 pints of Storm within 75 days of peanut harvest.
bentazon - 0.75-1.0 lb/A	Basagran 4 lb/gal formulation – 24-32 oz/A 5 lb/gal formulation - 19.3-25.7 oz/A Add 1% v/v COC	Several broadleaf weeds; little to no control of morningglory species	Early postemergence when weeds are small and actively growing. Thorough coverage of weeds is essential. Do not apply if peanuts are under stress.

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carfentrazone - 0.032 lb/A	Aim 2 EC - 2 oz/A	morningglory and pigweed	PREHARVEST DESICCANT ONLY: Apply at least 7 days before harvest. Do not apply more than 2 oz/A as a harvest aid.
clethodim - 0.06-0.25 lb/A	Various formulations. See product label for specific rates.	Annual and perennial grasses	Apply before grasses exceed height limit. Do not apply within 40 days of harvest. Other clethodim formulations have similar labeling.
imazapic - 0.063 lb/A	Cadre - 4 oz/A Add 0.25% v/v NIS	Several broadleaf species and nutsedge species; control or suppression of some grass species	See label for details, precautions and plant-back intervals. For sicklepod, apply in combination with 2,4-DB.
imazethapyr - 0.063 lb/A	Pursuit - 4 oz/A Rate may be split 2 oz/A preplant incorporated or preemergence followed by 2 oz/A postemergence Add 0.25% v/v NIS	Several broadleaf weeds, many annual grasses, yellow nutsedge, purple nutsedge	Do not (1) apply more than 4 oz./A of Pursuit during the growing season; (2) graze or feed treated forage to livestock; or (3) apply within 45 days of harvest. See label for complete rotation restrictions: cotton = 18 months; wheat = 4 months.
lactofen - 0.195 lb/A	Cobra 2EC - 12.5 oz/A Add 1% v/v COC	Control of pigweeds, morningglories, copperleaf, wild poinsettia, eclipta	Apply after peanuts reach the 6 true-leaf stage. Preharvest interval is 90 days.
paraquat - 0.125 lb/A	paraquat (2 lb/gal formulation) - 8 oz/A; paraquat (3 lb/gal formulation) - 5.33 oz/A Add 0.25% v/v NIS	Several grass and broadleaf weeds; when used alone, not effective on prickly sida or tropic croton	Apply at cracking or early postemergence up to 14 days after ground cracking. After that time, use in combination with Basagran or Storm. Peanut foliage injury is usually temporary. Conditions of high humidity, wet foliage and/or wet soils result in greater foliage burn. Thrips injury retards crop recovery.
paraquat - 0.189 lb/A + bentazon - 0.25-0.5 lb/A OR + bentazon + acifluofen – 0.5-0.75 lb/A	paraquat (2 lb/gal formulation) - 12 oz/A; paraquat (3 lb/gal formulation) - 8 oz/A + Basagran 4L - 0.5-1.0 pt/A OR + Storm - 1.0-1.5 pt/A Add 0.25% v/v NIS	Small, emerged annual grass and many broadleaf weeds	Apply at cracking or early postemergence up to 28 days after ground cracking. Do not apply after flower initiation. Do not make more than 2 applications per crop. One pint is needed for nutsedge control. Use 0.5 pt./A of Basagran 4L if added only as a safener.
pyroxasulfone - 0.08-0.11 lb/A	Zidua WG - 1.5-2.1 oz/A Zidua SC - 2.5-3.5 oz/A	Annual grasses and small-seeded broadleaf weeds	Do not apply Zidua preemergence. Apply at cracking to first true leaf through beginning pod development. This product only provides residual control, thus must be tank-mixed with other postemergence herbicides. See label.
sethoxydim - 0.19-0.38 lb/A	Poast Plus - 1.0-2.0 pt/A Add 1% v/v COC	Annual and perennial grasses	Apply before grasses exceed height limit. Do not apply to grasses under stress. Do not apply within 70 days of harvest.
S-metolachlor - 1-1.3 lb/A	Various formulations. See product label for specific rates.	Annual grasses and small-seeded broadleaf weeds; yellow nutsedge suppression	Apply at cracking to 90 days before harvest. This product only provides residual control, thus must be tank-mixed with other postemergence herbicides. See label.