

# Home Gardens

**Table 1. Burndown, preplant incorporated, preemergence, and postemergence herbicides.**

Application timing	Active Ingredient	Product rate per 1,000 sq ft/1 gal <sup>1</sup>	Remarks and Precautions
Burndown	glyphosate <sup>1</sup>	Roundup Ultra/others @ 0.5-1oz/1,000 sq ft.; Several brands available; consult labels for proper rates.	Apply postemergence on weeds. May be used before planting or after crop emergence with a covered hooded sprayer on actively growing weeds. Consult product label for plant back intervals on applications prior to planting. Avoid spray drift to desirable plants. Spray weeds to wet but not to drip. Crops labeled include beets, carrots, celery, corn, cole crops, English and Southern peas, Irish potatoes, Jerusalem artichoke, lima and snap beans, lettuce, greens, okra, onion, garlic, peanuts, radish, soybeans, sweet potatoes and asparagus (before spears appear).
Preplant Incorporated	trifluralin	Treflan 4 EC @ 1/3 fl oz/1,000 sq ft on medium soil; 1/2 fl oz/1,000 sq ft on heavy soils	Apply before planting and incorporate. Use on snap or lima beans, cole crops, Irish potatoes, sunflowers and greens. Incorporate before transplanting tomatoes, cole crops, pepper and celery. Also, for asparagus beds and at half-rate postemergence (crop) between onion rows. Treflan controls many small-seeded broadleaf weeds (pigweeds) and annual grasses.
Preemergence (before crops or weeds emerge)	metolachlor	Dual 8E @ 1/2 oz/1,000 sq ft on sandy soil; 1.0 fl. oz/1,000 sq ft on medium-heavy soil	Apply before or after planting snap or lima beans, soybeans, sweet corn, peanuts, popcorn, Irish potatoes, Southern peas, English peas and chickpeas. Apply after planting snap or lima beans, sweet corn, peanuts, popcorn, Irish potatoes, southern pecans, English peas and chickpeas. Provides good residual grass control and controls some broadleaf weeds. Will not control emerged weeds.
Preemergence (before crops or weeds emerge)	DCPA	Dacthal 75% WP @ 4.0 oz/1,000 sq ft on sandy soil; 5.0 oz./1,000 sq. ft. on med-heavy soil	Apply after planting snap beans (not limas), Southern peas, greens, radish, garlic, onion, cole crops, Irish or sweet potatoes. Apply after transplanting tomatoes, peppers, cole crops and cucurbits. Apply four to six weeks after transplanting eggplants. Controls many annual grasses and some broadleaf weeds.
Postemergence (after crops or weeds emerge)	bentazon	Basagran 4 EC @ 1/2-3/4 oz/1,000 sq ft	Snap or lima beans, mint, Southern peas, peanuts, English peas and corn. Apply to small actively growing broadleaf weeds and yellow nutsedge. This treatment will not kill grasses. Very effective on yellow nutsedge. Needs an adjuvant; see label.

Application timing	Active Ingredient	Product rate per 1,000 sq ft/1 gal <sup>1</sup>	Remarks and Precautions
Postemergence (after crops or weeds emerge)	clethodim	Select @ 6-8oz/A or Select Max @ 9-16 oz/A; Apply with COC @ 2 pt./A; Pump up sprayer: Select @ 0.33-0.66 oz/gal + 1.3 oz/gal COC); Pump up sprayer: Select Max @ 0.66-1.32 oz/gal + 1.3 oz/gal COC)	Spray on young, actively growing grasses. Provides early postemergence control of annual bluegrass. Several vegetables listed on label for over-the-top applications. Add a crop oil concentrate for improved control. Observe minimum application to harvest intervals found on the product label.
Postemergence (after crops or weeds emerge)	halosulfuron	Sandea 75 DG and Profine 75 DG @ 0.011-0.017 oz/1,000 sq ft or 0.5-0.75 oz/Acre; Apply with NIS @ 0.33 oz/gal.	Several vegetables are listed on the product label, including sweet corn, tomatoes and cucurbit crops.
Postemergence (after crops or weeds emerge)	fluazifop	Fusilade DX @ 6-16 oz/A; Apply with COC; Pump up sprayer: Fusilade @ 0.5 oz/gallon + COC @ 1 oz/gal	Spray on young actively growing grassy weeds. Spray to wet weed foliage. Use on asparagus, carrots, onions, spinach, sweet potatoes, hot peppers and non-bell peppers. Effective on johnsongrass and bermudagrass and other perennial grasses. Observe minimum application to harvest intervals found on the product label.
Postemergence (after crops or weeds emerge)	sethoxydim	Poast and various other trade names @ 1 oz/1,000 sq ft; Consult product label concerning surfactants.	Spray on young, actively growing grassy weeds. Spray to wet weed foliage. Use on asparagus, beans, cole crops, cabbage, cucumbers, peanuts, greens, lettuce, melons, peas, peppers, pumpkins, potatoes, squash or tomatoes. Sethoxydim may be found under various trade names like Poast, Hi-Yield Grass Killer, Bonide Grass Beater and Ferti-lome Over the Top II. Observe minimum application to harvest intervals found on the product label.

<sup>1</sup>The rates given in column 3 (Product Rate) are based on the amount of material needed to treat 1,000 square feet. This amount of herbicide plus adjuvant (if required) should be diluted in 1 gal. of water and evenly distributed over 1,000 sq. ft. To find the amount of product needed if the area treated is different from 1,000 sq. ft., use the following formula: [product rate, in oz. (column 2) x (area to be treated, in sq. ft. ÷ 1,000)]. To find the volume necessary to spray, use the following formula: [area to be treated, in sq. ft. ÷ 1,000].

**Example:** area to be treated is 2,500 sq. ft. The rate for Fusilade DX is 0.5 oz/1,000 sq. ft. Total product needed: [0.5 x (2,500 ÷ 1000)] or 1.25 oz. Total volume needed is [2,500 ÷ 1,000] or 2.5 gal.