

Preemergence herbicides that can be used after seeding in various cucurbit (cucumber, muskmelon, pumpkin, winter squash, summer squash, and watermelon) crops.

Product	lb ai/ac	Product/ac	Weeds	Remarks
ethalfluralin + clomazone (Strategy 2.1L)	0.6-1.2 + 0.19-0.375	3-6 pt	Several broadleaf and grass weeds (barnyardgrass, crabgrass, fall panicum, foxtails, sandbur, common lambsquarters, common groundsel, common purslane, common ragweed, galinsoga, velvetleaf, pigweed, smartweed etc.)	Needs 0.5 inch of water within five days for activation.
ethalfluralin (Curbit 3E)	0.75-1.13	2-3 pt	General weed control	Needs 0.5 inch of rain within five days for activation. Heavy rains may cause crop injury.
clomazone (Command 3ME)*	0.15-0.38	6.4-16.2 fl oz	Controls various grasses and many broadleaf weeds (common lambsquarters, ragweed, smartweed and velvetleaf)	Observe rotational restrictions.
S-metolachlor (Dual Magnum 7.62EC)**	0.95-1.26	1-1.33 pt	Mainly for grasses, nutsedge, and several broadleaf (pigweed, nightshade, galinsoga, common lambsquarters, common purslane)	Indemnified label. Register and sign a waiver on Syngenta's website to access the label and use the product. Injury to the crop can occur which may include stand loss, delayed maturity, and yield loss.
fomesafen (Reflex)	0.125-0.25	0.5-1 pt	Common lambsquarters, common purslane, common ragweed, galinsoga, wild radish nightshade, velvetleaf, pigweed	Indemnified label. Register and sign a waiver on Syngenta's website to access the label and use the product. Transplants: Apply to soil surface up to 7 days before planting. Use only once in 2 years on the same soil. Observe rotational restrictions.

Product	lb ai/ac	Product/ac	Weeds	Remarks
halosulfuron (Sandeia 75 WDG)	0.023-0.047	0.5-1 oz	Common lambsquarters, common groundsel, common ragweed, galinsoga, wild radish, velvetleaf, pigweed, smartweed and yellow nutsedge	Heavy rain (1 inch or more) and cool weather can cause crop injury.
trifluralin (Treflan 4 EC)***	0.5-1	1-2 pt	Mainly for grasses and few broadleaf (pigweed, common lambsquarters, common purslane)	Apply and incorporate into soil between crop rows when crop plants have 3-4 leaves.
bensulide (Prefar 4E)	4-6	4-6 qt	Controls many annual grasses (barnyardgrass, crabgrass, fall panicum, foxtails) and pigweed spp.	Apply and incorporate 0.5-1 inch before seeding or transplanting.
Terbacil (Sinbar 80WDG) Watermelon only	0.1-0.2	2-4 oz	Controls many annual grasses and broadleaf weeds	Use low rate on sandy soil.
pendimethalin (Prowl H2O) Muskmelon and watermelon only	1	2.1 pt	Mainly for grasses and few broadleaf (pigweed, common lambsquarters, common purslane)	Apply as a shielded spray to soil between rows of plastic mulch before planting. A second application of 2.1 pt may be made 21 days after the first application.

*Command rate is 0.67-2 pt/A (0.25-0.75 lb ai/A) for pumpkin and winter squash and 0.67-1.33 pt/A (0.25-0.5 lb ai/A) for summer squash.

**Dual Magnum rate is 0.67 – 1.27 pt/A (0.64 – 1.21 lb ai/A) for summer squash, muskmelon, melon, and watermelon and 0.67 – 1 pt/A (0.64 – 0.95 lb ai/A) for cucumber.

***Treflan rate is 1-2 pt/A (1-2 lb ai/A) for cucumber.