Herbicide Recommendations for Squash, Pumpkins, and Gourds

Joe Masabni
UKREC
Princeton, KY
Preemergence
Herbicides
Command 3ME

Rate: 0.66 - 2 pt / A
PRE for annual grasses and small-seeded broadleaves weed control

• For summer squash, most winter squash (see label for specific varieties), and processing pumpkins (except Jack-O-Lantern).
• See label for crop specific rates and precautions.
• Apply in rows middles between plastic.
• Do not use under plastic.
Curbit 3E

Rate: 3 – 4.5 pt / A
PRE for annual grasses and broadleaves weed control

- Do not use on wet or cloddy soils or before a heavy rain to avoid crop injury.
- Do not apply over or under hot caps, row covers, or plastic mulch.
- Do not apply broadcast to transplants.
- Do not incorporate.
- Clean cultivate and apply as a banded spray to soil between rows of plastic mulch.
Dacthal 6F

Rate: 6 – 14 pt / A
PRE for control of annual grasses and small-seeded broadleaves

• Over the top application 4 – 6 weeks after transplanting is safe to plants.
• Plants should be well established.
• Do not incorporate.
• Not labeled for transplanted crops.
Prefar 4E

Rate: 5 – 6 qt / A
PRE for grasses and broadleaves weed control

• Apply preplant and incorporate to 1 – 2” depth.
• Apply preemergence only if it can be watered in within 36 hours.
Sandea 75DF

Rate: 0.5 – 0.66 oz / A
PRE for broadleaves and nutsedge weed control

- **Summer Squash**: Apply only in row middles in direct seeded and transplanted squash.
- **If plastic mulch is used**, do not spray on plastic. PHI = 30 days.
- **Winter Squash and Pumpkin**: For direct seeded, apply after planting but before cracking, or after crop has reached 2-5 true leaf stage but before first female flowers appear, with a minimum of 15 gal water / A.
- **Max. 1 oz / A / crop and 2 oz / A / season.**
- **Check label for specific information for transplanted crops.**
Strategy 2.1E (Premix of Curbit and Command)

Rate: 3 - 6 pt / A
PRE for broadleaves and grasses weed control

- Apply to seeded crop before crop emergence or as a banded spray between rows after crop emergence or transplanting.
- Needs ½” water within 2 days for activation.
- Do not incorporate.
- Crop injury may occur under cool temperatures that delay seedling emergence.
Postemergence Herbicides
Aim 1.9EW

Rate: 0.5 – 1.5 fl.oz. / A

Contact POST for annual broadleaves and suppression of perennial broadleaves

- Can be applied as a preplant, pre-transplant burndown, or before crop emerges to actively growing weeds up to 4” tall.
- Can also be applied postemergence as a directed hooded application between crop rows.
- Use min. 10 gal of water/A and crop oil 1% v/v.
- Max. rate 6.1 fl oz/A.
- PHI = 0 days.
Gramoxone Max 3L
Rate: 1.3 – 2.7 pt / A
POST for non-selective contact weed control

• Apply preplant, preemergence, or before transplanting in min. 10 gal water/A.
• Apply banded or broadcast.
• Use higher rate for heavy weed infestations.
• Use non-ionic surfactant 0.25% v/v.
Roundup WeatherMax 5.5L
Rate: 16 – 22 fl.oz. / A
POST for non-selective systemic weed control

- Use only AMS 1 – 2% v/v.
- Adding a non-ionic surfactant can reduce weed control effectiveness.
- Min. 3 days between application and planting.
- Min. 30 days before planting any non-labeled crop.
Poast 1.5E

Rate: 0.5 – 1.5 pt / A
POST for grass weed control

• Apply on actively growing grasses.
• Use high rates for perennial grasses.
• PHI = 14 days.
• Max. rate of 1.5 pt / application and 4.5 pt / season.
• Add crop oil concentrate at 0.5 % v/v.
Scythe 4.2L

Rate: 1 – 10%

POST for non-selective contact weed control

- Use in min. 10 gal water/A if mixed with other herbicides or a min. 75 gal if used alone.
- Do not allow contact with crop foliage.
- Can be mixed with Roundup.
- See label for amount of Scythe to use depending on the desired spray volume.
Select 2E
Rate: 6 – 8 fl.oz. / A
POST for grass weed control

• Add crop oil 1% v/v.
• Max. 8 fl.oz. / application.
• Min. 14 days interval between applications.
• PHI = 20 days.
Treflan 4E

Rate: 1.25 - 2 pt / A

PRE for annual broadleaves and grasses weed control

• For transplanted pepper use only.
• Apply as preplant soil incorporated before transplanting.
Select 2E

Rate: 6 – 8 fl.oz. / A
POST for grass weed control

• Apply before actively growing grasses.
• Use high rates for perennial grasses.
• PHI = 15 days.
• Max. 8 fl.oz. / application.
• Min. 14 days between applications.
• Add crop oil concentrate at 1% v/v.