

# Herbicide Recommendations for Muskmelon, Watermelon, and Cucumber

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# Preemergence

# Herbicides



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# Alanap 2L

Rate: 6 - 8 qt / A

PRE for broadleaves weed control

- Apply within 48 hrs after planting.
- Apply to moist soil or water in.
- Lightly incorporate under dry soil conditions.
- Alanap controls broadleaves, that is why it complements Prefar. Can be applied PRE or POST. Incorporate before seeding or apply soon after seeding. For POST, apply Alanap before melons vine out.



# Command 3ME

Rate: 0.4 - 0.1 pt / A

PRE for annual grasses and small-seeded broadleaves weed control

- Apply to soil surface before transplanting or after seeding.
- Use low rate on coarse soils.
- PHI = 45 days.



# Curbit 3E

Rate: 3 – 4.5 pt / A

PRE for annual grasses and broadleaves  
weed control

## Seeded:

- Apply to soil within 2 days of seeding.
- Do not incorporate.
- Needs rain for activation.
- Heavy rainfall may cause injury.



# Curbit 3E

Rate: 3 – 4.5 pt / A

PRE for annual grasses and broadleaves  
weed control

## Transplanted:

- Apply to soil between rows.
- Do not apply over or under row covers or plastic.
- Do not spray over top of transplants.



# Dacthal 6F

Rate: 6 - 14 pt / A

**PRE for grasses and small-seeded  
broadleaves weed control**

- Apply only to crop with 4-5 true leaves and well-established and when growing conditions are favorable.
- Do not incorporate.
- Not labeled for transplanted crops.



# Goal 2XL

Rate: 1 – 2 pt / A

**PRE for certain annual grasses and most broadleaves**

- For fallow bed preparation only.
- Best if used with glyphosate for control of winter annual broadleaf weeds.
- Min. 60 days between application and planting.



# Prefar 4E

Rate: 5 - 6 qt / A

**PRE for broadleaves and grasses weed control**

- Apply and incorporate 1-2" before seeding or transplanting.
- Apply PRE only if it can be watered in within 36 hrs.
- May stunt crop if used under clear plastic.
- Best if tank mixed with Alanap.



# Sandea 75DF

Rate: 0.5 - 1 oz / A

PRE for broadleaves and nutsedge weed control

## PRE under plastic:

- Apply after final bed preparation, lay plastic, and wait 7 days before transplanting.
- PHI = 57 days.

## 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.
- PHI = 45 days.



# Treflan 4E

Rate: 1.25 - 2 pt / A

**PRE for annual broadleaves and grasses  
weed control**

- Apply after emergence to plants with 3-4 true leaves.
- Can be applied directed to soil between rows to older plants.
- PHI = 30 days, except for watermelon = 60 days.



# Postemergence

# Herbicides



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# Aim 1.9EW

Rate: 0.5 – 1.5 fl.oz. /A

Contact POST for annual broadleaves and suppression of perennial broadleaves

- Apply preplant, pre-transplant burndown, before crop emergence, or as a directed spray.
- Add crop oil concentrate 1% v/v.
- PHI = 0 days.
- Max. rate 6.1 fl.oz. /A.

# Alanap 2L

Rate: 6 - 8 qt / A

**POST for broadleaves weed control**

## POST:

- Apply only when plants have started to vine.
- May be applied broadcast over plants and plastic mulch.
- May be used under clear plastic.
- Do not use if heavy rain is expected.



# Sandea 75DF

Rate: 0.5 - 1 oz / A

POST for broadleaves and nutsedge  
weed control

## POST bareground:

- Apply only in row middles in direct-seeded and transplanted melon.
- Do not spray on plastic mulch.



# Gramoxone Max 3L

**Rate: 1.3 - 2.7 pt / A + NIS 1pt / 100gal**

**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.

# Goal 2XL

Rate: 1 – 2 pt / A

**POST for certain annual grasses and most broadleaves**

- For fallow bed preparation only.
- Best if used with glyphosate for control of winter annual broadleaf weeds.
- Min. 60 days between application and planting.

# 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.



# Roundup WeatherMax 5.5L

Rate: 16 – 22 fl.oz. / A

POST for non-selective 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.



# 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

- 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.

