Herbicide Recommendations for Sweet Corn

Joe Masabni
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Preemergence

Herbicides

Joe Masabni
Aatrex 4L

Rate: 1 – 2 qt / A

PRE for annual grasses and broadleaves weed control

- Apply after planting but before weeds are 1 inch tall.
- Best in combination with alachlor or s-metolachlor.
- Do not plant any crop but corn for 18 months because of residual injury.
- Do not use atrazine exclusively because resistance has occurred in certain weed species.

Joe Masabni
Bicep II Magnum 5.5E

Rate: 2.1 – 2.58 qt / A
PRE for annual grasses and broadleaves weed control

- Do not use if small grains are to be planted the same year or if vegetable crops or tobacco are to be planted the following year.
- Conduct a soil test analysis for atrazine residue before the second year planting.
- May be applied at 1.3 to 2.58 qt/A in min. 15 gal water as a postemergence directed treatment on weeds < 2 leaf stage.
Bullet 4F

Rate 3 – 3.75 qt / A
PRE for annual grasses and broadleaves weed control

• Apply to soil surface immediately after planting.
• See label for further directions and restrictions.
• Max. rate is 6.4 qt / A / year or 2 applications / year.

Joe Masabni
Callisto 4L

Rate: 6 – 7.7 fl.oz. / A

PRE for annual broadleaves weed control

• Rainfall within 7-10 days is needed for activation.
• If no rain, a rotary hoe is suggested.
• Do not cultivate 7 days before or after application.
• Do not tank mix with organophosphate or carbamate insecticide or with a grass herbicide.

Joe Masabni
Dual II Magnum 7.6E

Rate 1.3 – 1.7 pt / A
PRE for grasses and broadleaves weed control and suppression of nutsedge

• Apply preplant surface or incorporated and preemergence.
• See label for specific rates.
• Better control of seedling johnsongrass with higher rates.
• Small grains may be planted 4½ months following treatment.
• See label for other rotational crop restrictions.

Joe Masabni
Guardsman Max 5EC

Rate: 3 – 4 pt / A

PRE for annual grasses and broadleaves weed control and suppression of nutsedge

- Preplant applications for use in min. tillage or no-tillage (15 to 45 days).
- If incorporated, apply min. 2 weeks before planting.
- For preemergence, rainfall or irrigation is needed for activation.

Joe Masabni
Micro-Tech 4ME
Rate: 2.5 – 3 qt / A
PRE for annual grasses and broadleaves weed control

• Apply as preplant or preemergence.
• Use higher rate for control of lambsquarters, black nightshade, nutsedge, and seedling johnsongrass.
• Restricted use pesticide.
• Max. 1 application / year and 4 qt / A / year.
Outlook 6E

Rate: 14 – 18 fl.oz. / A
PRE for annual grasses and broadleaves control and suppression of nutsedge

• Can be applied preplant surface or incorporated and preemergence.
• Outlook can be applied through herbigation or mixed with bulk dry fertilizer.
• Check label for exact rate for your soil type.
• PHI = 50 days. Max. rate is 21 fl.oz. / season.

Joe Masabni
Prowl 3.3E

Rate: 2.4 – 3.6 pt / A
PRE for annual grasses and broadleaves weed control

• For use in conventional tillage only.
• Plant corn at least 1.5” deep.
• Apply preemergence after planting but before crop or weeds emerge.
• Max. 1 application / season.

Joe Masabni
Postemergence Herbicides

Joe Masabni
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%.
• Max. rate 2 fl.oz. / A.

Joe Masabni
Basagran 4L

- Rate: 1 – 2 pt / A
- POST for annual broadleaves weed control and suppression of nutsedge
- Use 2 applications for nutsedge control.
- Best if tank mixed with other corn herbicides.
- Do not graze treated corn before 12 days after application.
Callisto 4L
Rate: 3 fl.oz. / A
POST for annual broadleaves weed control

• Rainfall within 7-10 days is needed for activation.
• If no rain, a rotary hoe is suggested.
• Do not cultivate 7 days before or after application.
• Do not tank mix with organophosphate or carbamate insecticide or a grass herbicide.
Dual II Magnum 7.6E

Rate 1.3 – 1.7 pt / A

POST for grasses and broadleaves weed control and suppression of nutsedge

• Apply postemergence or layby.
• Better control of seedling johnsongrass with higher rates.
• Small grains may be planted 4½ months following treatment.
• See label for other rotational crop restrictions.

Joe Masabni
Eradicane 6.7E

Rate: 4.75 – 7.33 pt / A

POST for annual grasses and broadleaf weed control and suppression of johnsongrass, bermudagrass, and nutsedge at the high rate.

• Check with your co-op manager or supplier; this product may be difficult to locate in Kentucky.
Guardsman Max 5EC

Rate: 3 – 4 pt / A

POST for annual grasses and broadleaves weed control and suppression of nutsedge

• For early postemergence, apply to corn up to 12 inches tall.
**Gramoxone Max 3L**

Rate: 1.3 – 2.7 pt / A

**POST for non-selective contact weed control**

- Apply before, during, or after planting but before crop emergence.
- Use higher rate for heavy weed infestations.
- Add non-ionic surfactant 0.25%.
- Can be applied postemergence as a directed spray at 0.7 to 1.3 pt/A on corn at least 10” tall with nozzles arranged to spray the bottom 3” of the stalk.
- Shorter corn plants may be injured.

Joe Masabni
Outlook 6E

Rate: 14 – 18 fl.oz. / A

POST for annual grasses and broadleaves control and suppression of nutsedge

• Can be applied postemergence to corn up to 12” tall.
• Outlook can be applied through herbigation or mixed with bulk dry fertilizer.
• Check label for exact rate for your soil type.
• PHI = 50 days. Max. rate is 21 fl.oz. / season.

Joe Masabni
Permit 75WG

Rate: 0.67 oz / A
POST for broadleaves and nutsedge weed control

- Apply postemergence broadcast from the spike to lay-by stage.
- Avoid cultivation within 7 days of application.
- Apply again as directed spray if needed and avoid spraying the plant whorl.
- Include 0.5% v/v non-ionic surfactant.
- Not all corn varieties are tested, so use Permit with caution on newly released varieties.
- Do not apply to ‘Jubilee’ sweet corn or any corn under stress.
- Do not use with soil applied organophosphate insecticides and do not apply any organophosphate insecticide within 7 days before or 3 days after Permit application.

Joe Masabni
Prowl 3.3E

Rate: 2.4 – 3.6 pt / A

POST for annual grasses and broadleaves weed control

- For use in conventional tillage only.
- Plant corn at least 1.5” deep.
- Apply postemergence to corn 20-24” tall or has 8 visible collars (V8).
- Max. 1 application / season.

Joe Masabni
Roundup WeatherMax 5.5L

Rate: 16 – 22 fl.oz. / A

POST for non-selective systemic weed control

- Use only AMS 1 – 2%.
- 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.
Starane 1.5L

Rate: 0.6 – 1.3 pt / A
POST for broadleaves weed control

• Apply broadcast or band to corn up to 4 leaf collars (V4). After V4 stage, apply only as a directed treatment with drop nozzles.
• Max. 2 applications or 1.3 pt / A / season.
• PHI = 31 days.
• See label for control of volunteer potato vine.
Stinger 3L

Rate: 0.3 – 0.6 pt / A
POST for broadleaves weed control

• Apply broadcast after corn emerges in 10-20 gal water / A.
• Apply to weeds up to 5 leaf stage.
• Make 1-2 applications with a min. 21 days between treatment.
• PHI = 30 days.
Weedar 64 4L

Rate: 1 – 3 pt / A

POST for selective control of broadleaves weeds

• Apply 7 to 14 days preplant at 1 to 2 pt/A.
• Apply 3 to 5 days after planting but before corn emerges at 2 to 3 pt/A.
• Apply on small weeds when corn is 8 inches tall using drop nozzle at 0.5 to 1.5 pt/A.
• Avoid drift to other crops.
• 2,4-D may injure some supersweet (sh2, SE) cultivars.

Joe Masabni