### Herbicide

**Callisto**

- **Product/A (ai/A):** 3 to 6 fl oz (1.5 to 3 oz)
- **Weeds:** Many broadleaf weeds including those resistant to other herbicides.
- **When to Apply:** PRE.
- **Remarks and Paragraphs:** Callisto PRE requires rain for activation. For POST application add petroleum oil at 1 qt/A or NIS at 1 qt/100 gal + UAN at 2.5 gal/100 gal or AMS at 8.5 lb/100 gal water. Addition of bromoxynil will increase risk of oat injury. Allow a 50 day PHI.  A3 A7 D4

**Aim**

- **Product/A (ai/A):** 0.5 fl oz EC (0.128 oz)
- **Weeds:** Small broadleaf weeds.
- **When to Apply:** Crop: Up to jointing stage. Weeds: Small.
- **Remarks and Paragraphs:** Contact, non-residual herbicide requiring thorough coverage. May cause cosmetic speckling on oat. Add NIS at 1 qt/100 gal.  A3 A6 B4

**MCPA**

- **Product/A (ai/A):** 0.5 to 1 pt 4SL
  - **Weeds:** Broadleaf weeds.
  - **When to Apply:** Oat: 3-leaf until prior to boot stage.
  - **Remarks and Paragraphs:** MCPA is a non-residual, contact herbicide requiring thorough coverage. Most active in hot and sunny conditions. Controls ALS-resistant kochia. Refer to label for tank-mix options.  A3 A6 B4

**Bromoxynil**

- **Product/A (ai/A):** 1 to 1.5 pt EC (0.25 to 0.38 lb)
- **Weeds:** Small broadleaf weeds including wild buckwheat, and volunteer sunflower.
- **When to Apply:** Oat: 3-leaf until prior to boot stage.
- **Remarks and Paragraphs:** Bromoxynil is a non-residual, contact herbicide requiring thorough coverage. Most active in hot and sunny conditions. Controls ALS-resistant kochia. Refer to label for tank-mix options.  A3 C1-2 S7-13

**Dicamba + MCPA**

- **Product/A (ai/A):** 2 to 4 fl oz 4SL + 0.5 to 0.75 pt 4L (0.06 to 0.12 lb + 0.25 to 0.38 lb)
- **Weeds:** Broadleaf weeds.
- **When to Apply:** Oat: 3- through 5-leaf stage.
- **Remarks and Paragraphs:** Use the low dicamba rate and high MCPA rate on 5-leaf oat. Early application increases crop safety.  A3 A5-7 B6 C2 C4 S1 S5-13 Y9

**Curtail M / generic clopyralid & MCPA**

- **Product/A (ai/A):** 1.75 to 2.33 pt (0.09 to 0.68 lb)
- **Weeds:** Broadleaf weeds and Canada thistle.
- **When to Apply:** Oat: 3-leaf to jointing.
- **Remarks and Paragraphs:** Apply to Canada thistle at the rosette to early bolting stage.  A3 C5 T3 T5

**Fluroxypyr**

- **Product/A (ai/A):** 0.67 pt 1.5EC
  - **Weeds:** Kochia including ALS-resistant and volunteer flax.
  - **When to Apply:** Oat: 2-leaf through flag leaf emergence. Weeds: Small.
  - **Remarks and Paragraphs:** Non-residual herbicide. Allow a 40 day PHI. Refer to label for tank-mix options. Commercial mixes with bromoxynil available as Stareane NXT and with MCPA as Colt + Sword.  A3 C5 S7

**Widematch / generic clopyralid & fluroxypyr**

- **Product/A (ai/A):** 1.33 pt (0.125 lb & 0.125 lb)
- **Weeds:** Broadleaf weeds including kochia, wild buckwheat, volunteer flax, and Canada thistle.
- **When to Apply:** Oat: 3-leaf to jointing.
- **Remarks and Paragraphs:** An economical formulation of clopyralid. Addition of 2,4-D, MCPA, or thifensulfuron increases broadleaf weed control. Commercial mixture with MCPA ester available as Hat Trick or Weld.  A3 C5 S1 S6-13 T3 T5

**thifen & tribenuron**

- **Product/A (ai/A):** 0.3 to 0.4 oz DF
  - **Weeds:** Provides a broader spectrum of control than either a.i. alone. Choose ratio based on prevalent weeds.
  - **When to Apply:** Oat: 3- through 5-leaf stage but before jointing.
  - **Remarks and Paragraphs:** Do not use on Ogle, Porter, or Premier oat varieties. Addition of MCPA ester at 0.75 pt/A enhances broadleaf weed control and oat safety. Add NIS at 1 pt/100 gal except when adding MCPA at 0.75 pt/A. Refer to label for list of tank-mix options.  A3 A5-7 S1 S3 S8 T3

**Orion**

- **Product/A (ai/A):** 17 fl oz (0.07 oz & 0.31 lb)
- **Weeds:** Some broadleaf weeds. Crop: 3-leaf to jointing. Weeds: Small.
- **When to Apply:** Add NIS at 1 qt/100 gal. Allow a 60 day PHI. Refer to label for application information.  A3

**Supremacy**

- **Product/A (ai/A):** 4 to 6 oz (1 to 1.5 oz & 0.18 to 0.27 oz & 0.06 to 0.09 oz)
- **Weeds:** Broadleaf weeds including pigweed, buckwheat, kochia, mustard, flax, and Canada thistle.
- **When to Apply:** Wheat: 2-leaf through flag leaf emergence.
- **Remarks and Paragraphs:** Add NIS at 1-2 qt/100 gal except when adding an EC or ester formulated herbicide. Use higher rates for larger weeds.  A3 C5 S1 S6-13

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**Refer to page 6 for Fall or Spring Early Preplant Herbicides.**

- **Callisto** (mesotrione)
- **Aim** (carfentrazone)
- **MCPCA amine**
- **MCPCA ester**
- **Bromoxynil**
- **Bromoxynil & MCPCA**
- **Dicamba + MCPCA**
- **Curtail M / generic clopyralid & MCPCA**
- **Fluroxypyr**
- **Widematch / generic clopyralid & fluroxypyr**
- **thifen & tribenuron**
- **Orion** (florasulam & MCPCA ester)
- **Supremacy** (fluroxypyr & thifensulfuron & tribenuron)