WHY APPLY A PREEMERGENCE HERBICIDE?

- Why apply a preemergence herbicide?
  - 4-8" TALL WEEDS CAN REDUCE YIELD BY 6 BUSHEL PER ACRE.
  - CAN GROW 1" PER DAY.

PREEMERGENCE HERBICIDES REDUCE THE SEED SEED BANK.

- Preemergence herbicides get rid of weed seedlings before they become established.
- As part of a fall program, preemergence herbicides help keep winter annuals from emerging the next spring.

HOW IMPORTANT IS A WEED MANAGEMENT PLAN?

- Weed management is a key part of any farming production program. Every field can be made more profitable with proper weed management.
- Including a fall preemergence herbicide can help control the next generation of weeds.
- Preemergence herbicides are environmentally friendly and easy to apply. They are effective in controlling many annual weeds and some grasses.

WHAT IS THE VALUE OF MORE THAN ONE MODE OF ACTION?

- A preemergence herbicide can have multiple modes of action to control a wider range of weeds.
- Multiple modes of action can help control a wider range of weeds and reduce the risk of developing resistant weeds.

MULTIPLE MODES OF ACTION DELIVER MANY BENEFITS

- Reduce weed resistance
- Manage a variety of weeds
- Increase the number of herbicide choices
- Reduce the amount of herbicide needed
- Control primary and secondary weeds

WHAT PART DOES SOIL PLAY IN HERBICIDE EFFECTIVENESS?

- Soil pH and organic matter levels can impact herbicide effectiveness.
- High pH levels can reduce the availability of some herbicides.
- Organic matter helps to break down herbicides more quickly.

TABLE: PREEMERGENCE HERBICIDES

<table>
<thead>
<tr>
<th>Herbicide</th>
<th>Mode of Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Florentine</td>
<td>Preemergence</td>
<td>Broad-spectrum herbicide for fall application.</td>
</tr>
<tr>
<td>Selective</td>
<td>Preemergence</td>
<td>Effective in controlling many annual weeds.</td>
</tr>
</tbody>
</table>

Key to success: proper herbicide selection, timing, and application.

- Always read and follow label directions. Keep out of reach of children.
- Consult with a local supplier or advisor for specific recommendations.
- Treat only actively growing weeds. Do not spray dormant weeds.
- Apply herbicides in the recommended range of labeled rates.

- Always follow the product label for proper use and handling instructions.
- Do not use if you have a condition that prevents you from following the label instructions.

- Always use proper PPE when handling herbicides. Wear approved protective clothing and follow all safety precautions.

- Always read and follow label directions. Keep out of reach of children.
- Contact with skin or eyes may cause irritation. Wash with soap and water.