Concep® III

HERBICIDE ANTIDOTE

For use as a seed dressing to protect grain or forage sorghum from the phytotoxic effects of metolachlor or S-metolachlor herbicide.

KEEP OUT OF REACH OF CHILDREN.

CAUTION

See additional precautionary statements and directions for use inside booklet.

Active Ingredient:
Fluxofenin
(CAS No. 88485-37-4) ........... 74.3%

Other Ingredients: 25.7%

Total: 100.0%

EPA Est. 100-NC-2®, EPA Est. 100-LA-1®
(Superscript is first letter of lot number on jug)

ONE GALLON
U.S. Standard Measure

NOVARTIS
DIRECTIONS FOR USE AND CONDITIONS OF SALE AND WARRANTY

IMPORTANT: Read the entire Directions for Use and the Conditions of Sale and Warranty before using this product. If terms are not acceptable, return the unopened product container at once.

CONDITIONS OF SALE AND WARRANTY

The Directions for Use of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness, or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application all of which are beyond the control of Novartis Crop Protection, Inc. or the Seller. All such risks shall be assumed by the Buyer.

Novartis warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the Directions for Use subject to the inherent risks referred to above. Novartis makes no other express or implied warranty of Fitness or Merchantability or any other express or implied warranty. In no case shall Novartis or the Seller be liable for consequential, special, or indirect damages resulting from the use or handling of this product. Novartis and the Seller offer this product, and the Buyer and user accept it, subject to the foregoing Conditions of Sale and Warranty, which may be varied only by agreement in writing signed by a duly authorized representative of Novartis.

DIRECTIONS FOR USE

It is a violation of federal law to use this product in a manner inconsistent with its labeling.

GENERAL INFORMATION

Concep III is a herbicide antidote which, when used as a seed treatment, protects grain and forage sorghum (Sorghum bicolor) from herbicidal injury due to metolachlor or S-metolachlor (contained in the herbicide brands Bicep® and Dual®). Bicep and Dual brands and other products containing metolachlor and S-metolachlor will generally cause severe sorghum injury without a Concep III seed treatment. Concep III protects sorghum from the phytotoxic effects of metolachlor and S-metolachlor only and not from other herbicide components, including the triazine component of Bicep brands.

APPLICATION INFORMATION

Apply Concep III at 0.4 gram (gm) active ingredient (a.i.) of safener per kilogram (kg) of seed to high quality sorghum seed using seed treatment equipment that will apply a water-based seed treatment slurry accurately and uniformly.

<table>
<thead>
<tr>
<th>Sorghum Seed (Units*)</th>
<th>Concep III to Add to Slurry for 0.4 gm a.i./kg Seed</th>
<th>Total Slurry Volume Range</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Concep III Alone</td>
<td>Combination with Fungicide/Insecticide</td>
</tr>
<tr>
<td></td>
<td>4-8 fl. oz.</td>
<td>7-11 fl. oz.</td>
</tr>
<tr>
<td>1</td>
<td>0.32 fl. oz.</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>0.64 fl. oz.</td>
<td>14-22 fl. oz.</td>
</tr>
<tr>
<td>100</td>
<td>1 qt.</td>
<td>5.5-8.6 gals.</td>
</tr>
<tr>
<td>400</td>
<td>1 gal.</td>
<td>21.9-34.4 gals.</td>
</tr>
</tbody>
</table>

*1 Unit = 50 lbs. of seed

MIXING

Concep III does not need additional binder/sticker.

1. Fill the premix tank with 1/2-2/3 of the water required and provide agitation.
2. Add dye as needed and mix thoroughly.
3. If the Concep III is to be mixed with a fungicide and/or insecticide, add the pesticides next and mix thoroughly before adding the Concep III.
4. Slowly add the recommended amount of Concep III to form an emulsion or a smooth slurry when tank mixed.
5. Add binder as recommended on the fungicide and/or insecticide labels and then add the remaining amount of water needed to bring the slurry up to the desired volume.

Notes: (1) Do not allow the mixture to remain in equipment without agitation. (2) Do not allow the mixture to freeze.
COMPATIBILITY WITH OTHER SEED TREATMENTS

Concep III may be tank mixed with most labeled seed treatments for sorghum. Compatibility should be checked before starting seed treatment operation. Acid-based dyes may cause thickening of the slurry. Do not mix with organic solvent formulations of heptachlor. Refer to the respective fungicide/insecticide label(s) for directions for use of those products on sorghum.

GAS CHROMATOGRAPHY DETERMINATIONS

Analyze seed treated with Concep III using gas chromatography methods supplied by the Residue Chemistry Department, Novartis Crop Protection, Inc., or your Novartis Crop Protection representative to assure that the entire seed lot has been properly treated with Concep III at 0.4 ± 0.1 gm a.i. per kg of seed. The detection range compensates for variation in application equipment and for experimental error/limit of detection of the gas chromatograph. Collect a representative sample for analysis from each seed lot by taking several subsamples during treatment of the lot. Analyze samples within 48 hours after application or seal samples and place in a freezer for later analyses. Later analyses should be conducted within 2 weeks.

SEED QUALITY

Seed treated with Concep III may exhibit a slight germination reduction due to differences inherent to the sorghum line or seed quality as affected by production, harvest and/or storage conditions. To assure adequate germination, treat a sample of each seed lot with Concep III combined with all other intended seed treatment chemicals at proper use rates and check germination prior to treating the entire lot. Only those seed lots meeting acceptable standards from these tests should be treated in large quantities.

USE OF CARRIED OVER SEED

Provided germination and vigor are acceptable, seed treated with Concep III at 0.4 gm a.i. per kg of seed may be carried over and seeded the third growing season following treatment, still providing adequate safening. Adequate safening occurs as long as the seed germination and vigor are acceptable.

TAGGING OF CARRIED OVER SEED

Grain sorghum seed safened with Concep III may be tagged and sold as unsafened seed, provided the following statement appears on the tag:

“CAUTION: TREATED SEED. — DO NOT USE FOR FOOD, FEED, OR OIL PURPOSES.”

Seed treatments, such as fungicides and insecticides, have specific requirements in seed laws and regulations, which define the type of labeling required on bags of the treated seed. Concep III is not in the same regulatory category as fungicides or insecticides, and there are no federal requirements for labeling the safened seed. However, since certain state seed laws may be more restrictive than the federal law, the above CAUTION statement should be used.

This is the most restrictive requirement that applies to seed treated with Concep III. If you object to the above statement, it is recommended that the seed laws of all states in which Concep III-treated seed is to be sold be reviewed, and that clarification be sought from a qualified attorney or representative of the state with respect to seed safeners and labeling requirements, because some states may have lesser requirements under their labeling laws.

OTHER INFORMATION

Do not feed seed treated with Concep III to livestock.

Refer to the Bicep and Dual brand labels for directions for use of these herbicides on sorghum.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited. Wastes may be toxic. This chemical, spray mixture, or rinsate that cannot be used according to label instructions must be disposed of according to applicable federal, state, or local procedures.

Disposal – Do not reuse empty container. Triple rinse (or equivalent), puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke from burning containers.

For minor spills, leaks, etc., follow all precautions indicated on this label and clean up immediately. Take special care to avoid contamination of equipment and facilities during cleanup procedures and disposal of wastes. In the event of a major spill, fire, or other emergency, call 1-800-888-8372, day or night.
PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION

Harmful if swallowed, inhaled, or absorbed through skin. Causes eye irritation. Avoid contact with eyes, skin, or clothing. Avoid breathing vapor or spray mist. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco. Remove contaminated clothing and wash before reuse.

Statement of Practical Treatment

If swallowed: Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.

If inhaled: Remove victim to fresh air.

If in eyes: Flush eyes with plenty of water. Call a physician if irritation persists.

If on skin: Wash with plenty of soap and water. Get medical attention.

Environmental Hazards

Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment wash water.

Bicep®, Concep®, and Dual® trademarks of Novartis
U.S. Patent No. 4,530,716
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Novartis Crop Protection, Inc.
Seed Treatment Products
Greensboro, North Carolina 27419
NCP 101L5D 0998
For use as a seed dressing to protect grain or forage sorghum from the phytotoxic effects of metolachlor or S-metolachlor herbicide

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Do not reuse empty container. Triple rinse (or equivalent), puncture and dispose of in a sanitary landfill, or by incineration, or by open burning, if allowed by state and local authorities. If burned, keep out of smoke.