























## VII. CROP USE DIRECTIONS

### CORN (Field, Pop, Seed and Sweet)

IMPACTZ herbicide can be selectively applied to emerged weeds in all corn types including conventional and herbicide-resistant/tolerant corn hybrids. In addition, IMPACTZ may be applied on inbred lines used in field corn, popcorn and sweet corn seed production. IMPACTZ has demonstrated safety on inbred lines of field corn, popcorn and sweet corn, however, refer to seed company recommendations before application of this product to inbreds.

IMPACTZ may be used in tank mixtures or sequential applications with other herbicides that are registered for use in corn. If tank mixed with other products, follow the label restrictions for the most restrictive of the tank mix products. In tank mixtures with oil-based residual corn herbicides, a reduced adjuvant rate is recommended to minimize potential for temporary foliar injury in corn. Under conditions of tender corn foliage in early season applications, NIS at 0.25% v/v may be used as an adjuvant in place of MSO or HSOC.

#### Tank Mixes

**When applied to emerged weeds at 8.0 to 10.7 fl oz per acre, IMPACTZ may be tank-mixed with one or more of, but not limited to, the following corn herbicides:**

2,4-D <sup>1</sup>	Cinch <sup>®</sup> brands	Hornet <sup>®</sup>	Resource <sup>®</sup>
AAtrex <sup>®</sup>	Clarity <sup>®1</sup>	Keystone <sup>®</sup> brands	Roundup <sup>®</sup> brands
Accent <sup>®</sup> Q	Degree <sup>®</sup> brands	Liberty <sup>®</sup>	Status <sup>®</sup>
Aim <sup>®</sup>	Dual II Magnum <sup>®</sup>	Lightning <sup>®</sup>	Steadfast <sup>®</sup> Q
Anthem <sup>®</sup> brands	Durango <sup>®</sup> DMA <sup>®</sup>	Marksman <sup>®1</sup>	Stinger <sup>®1</sup>
Basagran <sup>®</sup>	FulTime <sup>®</sup> brands	Option <sup>®</sup>	Surpass <sup>®</sup> brands
Bicep II Magnum <sup>®</sup> brands	Glyphosate	Outlook <sup>®</sup>	TopNotch <sup>®</sup>
Breakfree <sup>®</sup> brands	G-Max <sup>®</sup> Lite™	Prowl <sup>®</sup> H2O	Touchdown <sup>®</sup> brands
Buctril <sup>®</sup>	Guardsman Max <sup>®</sup>	Require <sup>®</sup> Q (mp)	Warrant <sup>®</sup>
Cadet <sup>®</sup>	Harness <sup>®</sup> brands	Resolve <sup>®</sup> Q	Zidua <sup>®</sup>

<sup>1</sup> Use of additives specified in Section III may result in crop injury and should not be used in tank mixtures with these herbicides.

## VIII. BETWEEN CROP APPLICATIONS

### Weed Management Between Crops

IMPACTZ may be used as a foliar application to control emerged broadleaf and grass weeds at any time of the year during the period following crop harvest and before the following crop is planted. The following crop may be planted after observing the required interval as defined in the Rotational Crop Restrictions section (Table 3). Several cover crops used to manage soil erosion, soil fertility, or soil moisture, and which will not be used for grazing or harvested have shown tolerance to this herbicide and may be planted following between-crop applications. Consult AMVAC representatives or university extension personnel for information on tolerance of specific cover crops.

### Application Rate and Timing

Apply IMPACTZ herbicide as a broadcast, over-the-top spray at 8.0 fl oz/A to 10.7 fl oz/A. Best product performance is obtained when weeds are small and actively growing. Thorough coverage of existing weeds is essential, and higher spray volume may be needed for best performance. Sequential application may be made with a minimum of 14 days between applications, but DO NOT exceed the maximum cumulative (both corn and between crop application uses) amount of 10.7 fl oz/A (atrazine 0.333 plus topramezone 0.022 pounds active ingredient per acre) of IMPACTZ per year.

Chemical fallow restrictions for atrazine: For soils in North and South Dakota with a pH of 7.5 or greater:  
Do not apply more than 1.5 pounds atrazine per acre for any application.  
Do not apply more than one application per year.

For soils in North and South Dakota with a pH of less than 7.5:  
Do not apply more than 2.0 pounds atrazine per acre for any application.  
Do not apply more than one application per year.

For all other locations:  
Do not apply more than 2.25 pounds atrazine per acre for any application.  
Do not apply more than one application per year.

## IX. SEQUENTIAL HERBICIDE COMBINATIONS AND USES

In addition to the control of many emerged broadleaf weeds, this product controls or suppresses the growth of several emerged grass weed species. To target control of a broader spectrum of annual grasses, this product should be used as a sequential treatment following a preemergence grass herbicide (Group 15 or Group 3 herbicide) such as Dual II Magnum<sup>®</sup>, Harness<sup>®</sup>, Prowl<sup>®</sup> H<sub>2</sub>O, or Zidua<sup>®</sup>. This product can also be used in sequential programs with registered burndown herbicides.

When this product is used in sequential applications following other products containing Group 27 herbicides such as isoxaflutole (e.g., Corvus<sup>®</sup>, Balance<sup>®</sup> Flexx), mesotrione (e.g., Callisto<sup>®</sup>, Lexar<sup>®</sup>, Lumax<sup>®</sup>), or tembotrione (e.g., Laudis<sup>®</sup>, Capreno<sup>®</sup>), use of a tank mix partner with a different effective mode of action is recommended at full use rates to reduce risk of selection for HPPD resistant weed biotypes.

**X. SCIENTIFIC NAMES OF WEEDS SPECIFIED IN THIS LABEL**

Common Name	Scientific Name	Common Name	Scientific Name
Amaranth, Palmer	<i>Amaranthus palmeri</i>	Morning glory	<i>Ipomoea</i> spp.
Amaranth, Powell	<i>Amaranthus powellii</i>	Mustard	<i>Brassica</i> spp.
Barnyardgrass	<i>Echinochloa crus-galli</i>	Nightshade, Eastern black	<i>Solanum ptychanthum</i>
Buckwheat, Wild	<i>Polygonum convolvulus</i>	Nightshade, Black	<i>Solanum nigrum</i>
Burcucumber	<i>Sicyos angulatus</i>	Nightshade, Hairy	<i>Solanum sarrachoides</i>
Canola, Volunteer	<i>Brassica</i> spp.	Panicum, Fall	<i>Panicum dichotomiflorum</i>
Carpetweed	<i>Mollugo verticillata</i>	Panicum, Texas	<i>Panicum texanum</i>
Chickweed, Common	<i>Stellaria media</i>	Pigweed, Prostrate	<i>Amaranthus blitoides</i>
Crabgrass, Large	<i>Digitaria sanguinalis</i>	Pigweed, Redroot	<i>Amaranthus retroflexus</i>
Crabgrass, Smooth	<i>Digitaria ischaemum</i>	Pigweed, Smooth	<i>Amaranthus hybridus</i>
Cocklebur, Common	<i>Xanthium strumarium</i>	Pigweed, Tumble	<i>Amaranthus album</i>
Cupgrass, Woolly	<i>Eriochloa villosa</i>	Prickly Lettuce	<i>Lactuca serriola</i>
Dandelion	<i>Taraxacum officinale</i>	Pusley, Florida	<i>Richardia scabra</i>
Devil's Claw	<i>Proboscidea parviflora</i>	Ragweed, Common	<i>Ambrosia artemisiifolia</i>
Foxtail, Giant	<i>Setaria faberi</i>	Ragweed, Giant	<i>Ambrosia trifida</i>
Foxtail, Green	<i>Setaria viridis</i>	Shattercane	<i>Sorghum bicolor</i>
Foxtail, Yellow	<i>Setaria glauca</i>	Shepherd's-purse	<i>Capsella bursa-pastoris</i>
Galinsoga, Hairy	<i>Galinsoga ciliata</i>	Sida, Prickly	<i>Sida spinosa</i>
Goosegrass	<i>Eleusine indica</i>	Signalgrass, Broadleaf	<i>Brachiaria platyphylla</i>
Henbit	<i>Lamium amplexicaule</i>	Smartweed, Pennsylvania	<i>Polygonum pensylvanicum</i>
Jimsonweed	<i>Datura stramonium</i>	Smartweed, Ladysthumb	<i>Polygonum persicaria</i>
Johnsongrass	<i>Sorghum halepense</i>	Sunflower, Common	<i>Helianthus annuus</i>
Kochia	<i>Kochia scoparia</i>	Thistle, Canada	<i>Cirsium arvense</i>
Lambsquarters, Common	<i>Chenopodium album</i>	Thistle, Russian	<i>Salsola iberica</i>
Mallow, Common	<i>Malva neglecta</i>	Velvetleaf	<i>Abutilon theophrasti</i>
Mallow, Venice	<i>Hibiscus trionum</i>	Waterhemp, Common	<i>Amaranthus rudis</i>
Marestail (Horseweed)	<i>Conyza canadensis</i>	Waterhemp, Tall	<i>Amaranthus tuberculatus</i>
Millet, Wild-Proso	<i>Panicum miliaceum</i>		

**STORAGE AND DISPOSAL**

Do not contaminate water, food or feed by storage, disposal, or cleaning of equipment. When open dumping do not contaminate water, food or feed by storage or disposal.

**PESTICIDE STORAGE:** Store product in original container only. Store product in a cool, dry place. Do not store this product under wet conditions. If this product has been stored where freezing temperatures have occurred, agitate or mix contents of container well before use. Avoid cross-contamination with other pesticides.

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility. Improper disposal of excess pesticide, spray mix, or rinsate is a violation of federal law. If these wastes cannot be disposed of according to label instructions, contact state agency responsible for pesticide regulation or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**CONTAINER HANDLING:** Nonrefillable container. Do not reuse or refill this container. Triple rinse or pressure rinse container (or equivalent) promptly after emptying; then offer for recycling, if available, or reconditioning, if appropriate, or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures approved by state and local authorities.

**Triple rinse containers small enough to shake (capacity ≤ 5 gallons) as follows:** Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container

¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank and store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

**Triple rinse containers too large to shake (capacity > 5 gallons) as follows:** Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank, or store rinsate for later use or disposal. Repeat this procedure two more times.

**Pressure rinse as follows:** Empty the remaining contents into application equipment or mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank, or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

## LIMITED WARRANTY AND DISCLAIMER

The manufacturer warrants (a) that this product conforms to the chemical description on the label; and (b) that the directions, warnings, and other statements on this label are based upon responsible experts' evaluations of reasonable tests of effectiveness, of toxicity to laboratory animals and to plants and residues on food crops, and upon reports of field experience. Tests have not been made on all varieties of food crops and plants, or in all states or under all conditions. THIS WARRANTY DOES NOT EXTEND TO THE USE OF THIS PRODUCT CONTRARY TO LABEL INSTRUCTIONS, OR UNDER CONDITIONS NOT REASONABLY FORESEEABLE.

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