

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 21.4 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 21.4 fl oz/A (atrazine 0.67 plus topramone 0.5 pounds active ingredient per acre) of IMPACTZ per year.

Chemical fallow restrictions for atrazine:

Users must only apply to fallow land in the following states according to the prescribed rotation pattern in the table below:

Fallow Rotation Pattern	Fallow Use Authorized in these States only
Wheat-Corn-Fallow	CO, KS, ND, NE, SD & WY
Wheat-Fallow-Wheat	CO, KS, ND, NE, SD & WY
Wheat-Sorghum-Fallow	AR, CO, GA, IL, IN, LA, MS, MO, NE, NM, NC, OK, SD & TX

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 2.5 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 Bicep II Magnum®, Dual II Magnum®, Harness®, Harness Xtra®, Prowl® H₂O, or Zidua®. (EPA registration numbers can be found in Section VII.) 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[®], Balance[®] Flexx), mesotrione (e.g., Acuron[®], Callisto[®], Halex[®] GT, Lexar[®], Lumax[®], Resicore[®]), or tembotrione (e.g., Laudis[®], Capreno[®]), use of an effective tank mix partner containing a different herbicide group number 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

<u>Common Name</u>	<u>Scientific Name</u>	<u>Common Name</u>	<u>Scientific Name</u>
Amaranth, Palmer	<i>Amaranthus palmeri</i>	Millet, Wild-Proso	<i>Panicum miliaceum</i>
Amaranth, Powell	<i>Amaranthus powellii</i>	Morningglory,	
Barnyardgrass	<i>Echinochloa crus-galli</i>	Entireleaf	<i>Ipomoea hederacea</i>
Bindweed, Field	<i>Convolvulus arvensis</i>	Morningglory, Ivyleaf	<i>Ipomoea hederacea</i>
Buckwheat, Wild	<i>Fallopia convolvulus</i>	Mustard, Wild	<i>Sinapis arvensis</i>
Burcucumber	<i>Sicyos angulatus</i>	Nightshade,	
Canola, Volunteer	<i>Brassica</i> spp.	Eastern black	<i>Solanum ptychanthum</i>
Carpetweed	<i>Mollugo verticillata</i>	Nightshade, Black	<i>Solanum nigrum</i>
Chickweed, Common	<i>Stellaria media</i>	Nightshade, Hairy	<i>Solanum sarrachoides</i>
Claw, Devil's	<i>Proboscidea louisianica</i>	Panicum, Fall	<i>Panicum dichotomiflorum</i>
Crabgrass, Large	<i>Digitaria sanguinalis</i>	Panicum, Texas	<i>Panicum texanum</i>
Crabgrass, Smooth	<i>Digitaria ischaemum</i>	Pigweed, Prostrate	<i>Amaranthus blitoides</i>
Cocklebur, Common	<i>Xanthium strumarium</i>	Pigweed, Redroot	<i>Amaranthus retroflexus</i>
Cupgrass, Woolly	<i>Eriochloa villosa</i>	Pigweed, Smooth	<i>Amaranthus hybridus</i>
Dandelion	<i>Taraxacum officinale</i>	Pigweed, Tumble	<i>Amaranthus album</i>
Foxtail, Giant	<i>Setaria faberi</i>	Pusley, Florida	<i>Richardia scabra</i>
Foxtail, Green	<i>Setaria viridis</i>	Ragweed, Common	<i>Ambrosia artemisiifolia</i>
Foxtail, Yellow	<i>Setaria pumila</i>	Ragweed, Giant	<i>Ambrosia trifida</i>
Galinsoga, Hairy	<i>Galinsoga ciliata</i>	Sandbur, Field	<i>Cenchrus longispinus</i>
Goosegrass	<i>Eleusine indica</i>	Shattercane	<i>Sorghum bicolor</i>
Henbit	<i>Lamium amplexicaule</i>	Shepherd's-purse	<i>Capsella bursa-pastoris</i>
Jimsonweed	<i>Datura stramonium</i>	Sida, Prickly	<i>Sida spinosa</i>
Johnsongrass	<i>Sorghum halepense</i>	Signalgrass, Broadleaf	<i>Brachiaria platyphylla</i>
Kochia	<i>Kochia scoparia</i>	Smartweed,	
Ladysthumb	<i>Polygonum persicaria</i>	Pennsylvania	<i>Polygonum pennsylvanicum</i>
Lambsquarters,		Sunflower, Common	<i>Helianthus annuus</i>
Common	<i>Chenopodium album</i>	Thistle, Canada	<i>Cirsium arvense</i>
Lettuce, Prickly	<i>Lactuca serriola</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>Erigeron canadensis</i>	Waterhemp, Tall	<i>Amaranthus tuberculatus</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.

FOR ALL REFILLABLE CONTAINERS, EXCEPT TRANSPORT CONTAINERS:

Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose.

Cleaning this container before refilling is the responsibility of the refiller. Cleaning this container before final disposal is the responsibility of the person disposing of the container. To clean this container before final disposal, empty the remaining contents from this container into application equipment or a tank-mix. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Then offer this container for recycling, if available.

FOR ALL TRANSPORT CONTAINERS AS DEFINED IN 40 CFR 156.3: Emptied container retains vapor and product residue. Observe all precautions stated on this label until the container is cleaned, reconditioned, or destroyed. Prior to refilling, inspect carefully for damage such as cracks, punctures, abrasions, and worn-out threads and closures. Clean thoroughly before reuse for transportation of a material of different composition or before retiring this transport vehicle from service.

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. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, 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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