



LEAGUE MVP

HERBICIDE

FOR THE CONTROL OF CERTAIN GRASSES, SEDGES AND BROADLEAF WEEDS IN RICE

Active Ingredient	By Wt
¹ Imazosulfuron	0.43%
² Thiobencarb	10.00%
Other Ingredients	89.57%
Total	100.00%
¹ 2-chloro-N-[[[(4,6-dimethoxy-2-pyrimidinyl)-amino]carbonyl]imidazo[1,2-a]pyridine-3-sulfonamide	
² S-[(4-chlorophenyl)methyl]diethylcarbamothioate	

EPA Reg. No. 59639-189

For Use in California Only
KEEP OUT OF REACH OF CHILDREN
CAUTION

SEE BELOW FOR ADDITIONAL PRECAUTIONARY STATEMENTS.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS & DOMESTIC ANIMALS

CAUTION

Harmful if swallowed, absorbed through skin or inhaled. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Avoid breathing dust. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

FIRST AID

If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

If inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

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FIRST AID (continued)

If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

If swallowed: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

HOT LINE NUMBER

Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact 800-892-0099 for emergency medical treatment information.

NOTE TO PHYSICIAN

Thiobencarb is a cholinesterase inhibitor. If signs of cholinesterase inhibition appear, atropine is antidotal.

PERSONAL PROTECTIVE EQUIPMENT (PPE):

Applicators and other handlers must wear: long-sleeved shirt and long pants, chemical-resistant gloves, such as Barrier Laminate or Butyl Rubber ≥ 14 mils or Nitrile Rubber ≥ 14 mils or Viton ≥ 14 mils, chemical-resistant apron when loading formulation into equipment or cleaning equipment and socks plus shoes.

Discard clothing or other absorbent material that has been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

All workers must wear: waterproof boots plus socks when entering flooded fields following treatment.

USER SAFETY RECOMMENDATIONS

- Users should:
- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
 - Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
 - Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

This product is toxic to fish and shrimp. Do not apply directly to water except as directed on this label, 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 washwaters.

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

This product is to be used in California Central Valley only. Not for use in other parts of California within the range of listed Pacific salmonids.

ENDANGERED SPECIES

The National Marine Fisheries Service has determined that thiobencarb, when used in California according to the label and existing restricted materials permit conditions, is not likely to jeopardize the continued existence of endangered or threatened salmonid species, nor is it likely to destroy or adversely modify designated critical habitat of these species. To ensure and continue the proper use of thiobencarb on rice in California, you must follow the measures contained in the Endangered Species Protection Bulletin for the county in which you are applying the product. To obtain Bulletins, no more than six months before using this product, consult <http://www.epa.gov/espp/> or call 1-800-447-3813. You must use the Bulletin valid for the month in which you will apply the product. The use limitations in the Bulletins and linked Mandatory Pesticide Use Limitations document are adapted from those currently in force for thiobencarb under the restricted materials permit conditions of the California Department of Pesticide Regulation, with enforcement by the County Agricultural Commissioners.

DIRECTIONS FOR USE

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

READ ENTIRE LABEL. USE STRICTLY IN ACCORDANCE WITH PRECAUTIONARY STATEMENTS AND DIRECTIONS, AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS.

Do not apply this product in a way that will contact workers or other persons, either directly or indirectly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 7 days.

PPE required for entry within 24 hours after application to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil or water is: coveralls, chemical-resistant gloves and waterproof boots plus socks.

PPE required for entry from 24 hours until 7 days following application to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil or water is: long pants, long-sleeved shirt and waterproof boots plus socks.

DISCLAIMER, RISKS OF USING THIS PRODUCT, LIMITED WARRANTY AND LIMITATION OF LIABILITY

IMPORTANT: Read the entire Label including this Disclaimer, Risks of Using this Product, Limited Warranty, and Limitation of Liability before using this product. If the terms are not acceptable THEN DO NOT USE THE PRODUCT; rather, return the unopened product within 15 days of purchase for a refund of the purchase price.

RISKS OF USING THIS PRODUCT

The Buyer and User (referred to collectively herein as "Buyer") of this product should be aware that there are inherent unintended risks associated with the use of this product which are impossible to eliminate. These risks include, but are not limited to, injury to plants and crops to which this product is applied, lack of control of the target pests or weeds, resistance of the target pest or weeds to this product, injury caused by drift, and injury to rotational crops caused by carryover in the soil. Such risks of crop injury, non-performance, resistance or other unintended consequences are unavoidable and may result because of such factors as weather, soil conditions, disease, moisture conditions, irrigation practices, condition of the crop (continued)

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at the time of application, presence of other materials either applied in the tank mix with this product or prior to application of this product, cultural practices or the manner of use or application, (or a combination of such factors) all of which are, factors beyond the control of Valent. The Buyer should be aware that these inherent unintended risks may reduce the harvested yield of the crop in all or a portion of the treated acreage, or otherwise affect the crop such that additional care, treatment and expense are required to take the crop to harvest. If the Buyer chooses not to accept these risks, THEN THIS PRODUCT SHOULD NOT BE APPLIED. By applying this product Buyer acknowledges and accepts these inherent unintended risks AND AGREES THAT TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, RISKS ASSOCIATED WITH THE APPLICATION AND USE ARE ASSUMED BY THE BUYER.

To the extent consistent with applicable law, Valent shall not be responsible for losses or damages (including, but not limited to, loss of yield, increased expenses of farming the crop or such incidental, consequential or special damages that may be claimed) resulting from use of this product in any manner not set forth on the label. To the extent consistent with applicable law, Buyer assumes all risks associated with the use of this product in any manner or under conditions not specifically directed or approved on the label.

LIMITED WARRANTY

Valent warrants only that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the label, under average use conditions, when used strictly in accordance with the label **and subject to the Risks of Using This Product as described above. To the extent consistent with applicable law AND EXCEPT AS SET FORTH ABOVE, VALENT MAKES NO OTHER WARRANTIES, EITHER EXPRESSED OR IMPLIED.** No agent or representative of Valent or Seller is authorized to make or create any other express or implied warranty.

LIMITATION OF LIABILITY

To the extent consistent with applicable law, Valent or Seller is not liable for any incidental, consequential, indirect or special damages resulting from the use or handling of this product. The limitation includes, but is not limited to, loss of yield on all or any portion of the treated acreage, increased care, treatment or other expenses required to take the crop to harvest, increased finance charges or altered finance ratings, emotional or mental distress and/or exemplary damages. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE BUYER, AND THE EXCLUSIVE MAXIMUM LIABILITY OF VALENT OR SELLER

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FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT SHALL BE THE RETURN OF THE PURCHASE PRICE OF THIS PRODUCT OR, AT THE ELECTION OF VALENT OR SELLER, THE REPLACEMENT OF THE PRODUCT.

PROMPT NOTICE OF CLAIM

To the extent consistent with applicable law allowing such requirements Valent must be provided notice as soon as Buyer has reason to believe it may have a claim, but in no event later than twenty-one days from date of planting, or twenty-one days from the date of application, whichever is latter, so that an immediate inspection of the affected property and growing crops can be made.

To the extent consistent with applicable law, if Buyer does not notify Valent of any claims, in such period, it shall be barred from obtaining any remedy.

NO AMENDMENTS

Valent and Seller offer this product, and Buyer accepts it, subject to the foregoing **Disclaimer, Risks of Using This Product, Limited Warranty and Limitation of Liability**, which may not be modified by any oral or written agreement.

TANK MIXES

NOTICE: Combination or use of this product with any other product which is not specifically and expressly authorized by the label shall be the exclusive risk of user, applicator and/or application advisor, to the extent consistent with applicable law.

Read and follow the entire label of each product to be used in combination with this product.

RESISTANCE MANAGEMENT

League® MVP Herbicide contains a Group 2 herbicide (acetolactate synthase (ALS) inhibitor) and a Group 8 herbicide (lipid synthesis inhibitor). Any weed population may contain or develop plants naturally resistant to Group 2 or 8 herbicides. Resistant biotype weed species with acquired resistance to Group 2 or 8 herbicides may eventually dominate the weed population if Group 2 or 8 herbicides are used repeatedly in the same field or in successive years as the primary method of control for targeted species. These resistant biotypes may not be adequately controlled by herbicides in a mode of action class for which resistance has developed. This may result in partial or total loss of control of those species by Group 2 or 8 herbicides. The use of a premix herbicide with two different modes of action, such as League MVP Herbicide, may reduce the development of resistance to Group 2 or 8 herbicides.

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Other resistance mechanisms that are not linked to site of action, such as enhanced metabolism, may also exist. Appropriate resistance management strategies should be followed. If poor performance occurs and cannot be attributed to adverse weather or application conditions, a resistant biotype may be present. Contact your local extension specialist or certified crop advisor for additional pesticide resistance management and/or integrated weed management recommendations for specific crops and weed biotypes.

To delay herbicide resistance consider:

- Avoiding the consecutive use of *League MVP* Herbicide or other target site of action Group 2 or 8 herbicides on the same weed species.
- Using tank mixtures or premixes, such as *League MVP* Herbicide, with herbicides from different target site of action Groups as long as the involved products are all registered for the same use, have different sites of action, and are both effective at the tank mix or prepack rate on the weed(s) of concern.
- Basing herbicide use on a comprehensive Integrated Pest Management (IPM) program.
- Monitoring treated weed populations for loss of field efficacy.
- Contacting your local extension specialist, certified crop advisors and/or manufacturer for herbicide resistance management and/or integrated weed management recommendations for specific crops and resistant weed biotypes.

For further information or to report suspected resistance, you may contact Valent U.S.A. Corporation at 800-6-VALENT (682-5368).

PRODUCT INFORMATION

- *League MVP* Herbicide provides preemergence and early postemergence weed control of certain grasses, sedges and broadleaf weeds in rice.
- For optimum results make an application prior to the emergence of susceptible weeds. Emerged weeds are best controlled if the weeds are completely submerged.
- *League MVP* Herbicide should be used as an integral part of a weed control program in conjunction with a resistance management strategy.
- *League MVP* Herbicide will prevent the emergence of susceptible weeds if application is made to a clean well-prepared seedbed.
- Fields with a history of weed resistance to ALS and/or lipid synthesis inhibitors may exhibit resistance to *League MVP* Herbicide.

RESTRICTIONS

- Do **NOT** make more than one application per year.
- Do **NOT** apply to rice paddies where commercial catfish or crayfish farming will be practiced.
- Do **NOT** use on rice fields adjacent to catfish or crayfish ponds.

- Water drained directly from treated fields must not be used to irrigate other crops.
- Do **NOT** apply this product within 24 hours of rainfall, or when heavy rain is expected to occur within 24 hours.
- Do **NOT** mix/load or otherwise handle this product within 100 feet of aquatic habitat.
- Do **NOT** apply *League MVP* Herbicide to a crop that has received or will receive a soil applied organophosphate insecticide.
- Do **NOT** apply *League MVP* Herbicide within 21 days before, or 7 days after, a foliar organophosphate insecticide application.
- Do **NOT** apply more than 4 lb ai/A of thibencarb per growing season. Do not apply more than 0.3 lb ai/A of imazosulfuron per growing season.
- A minimum water-hold period is required after application (see **WATER MANAGEMENT INSTRUCTIONS** below), except where state regulation may allow shorter water-holding periods for hydrologically isolated fields or for fields associated with systems designed to isolate discharged water from natural bodies of water. Examples of such systems include tailwater recovery systems for single or multiple fields, and use of fallow land for ponding discharge water.
- Do **NOT** exceed labeled rates of *League MVP* Herbicide. Accurately calibrate application equipment.
- Do **NOT** use *League MVP* Herbicide on water-seeded rice grown in fields which have been land leveled resulting in severe cuts and heavily filled areas (does not apply to normal maintenance leveling) in the past 18 months. Fields with a "loose" seedbed may also exhibit severe injury.
- Do **NOT** use *League MVP* Herbicide on rice grown in fields which have received chicken litter or had large amounts of green vegetative residue incorporated in the past 10 months.
- Do **NOT** use *League MVP* Herbicide on rice fields which cannot be drained as necessary due to water holding restrictions, should phytotoxic symptoms occur.
- Do **NOT** apply *League MVP* Herbicide to stressed crops or weeds. Stress conditions include, but are not limited to, soil moisture above field capacity, drought, temperatures below or above those known to be conducive for healthy growth, low fertility, carryover from a previous pesticide application or conditions/factors that decrease plant metabolism.

ROTATIONAL RESTRICTIONS

Crop injury may result if the specified intervals are not followed. Extend the rotational interval by 6 to 8 months if either drought conditions and/or extended periods of cool conditions occur after application. These conditions and/or failure to use conventional tillage and cultivation cultural practices increases the persistence of *League MVP* Herbicide in the soil and therefore increases the potential for rotational crop injury and yield reduction.

CROP ROTATION	
Rotational Interval	Rotational Crop
Immediately	Rice
6 months	Tomato (transplanted)
8 months	Cantaloupe, Cotton, Cucumber, Eggplant, Lettuce, Mustard Greens, Peppers (Bell and Non-Bell), Radish, Spinach, Turnip, Turnip Greens, White Potato
9 months	Cabbage, Squash
12 months	Field Corn, Sweet Corn, Grain Sorghum, Soybean, Wheat
24 months ¹	All crops not listed

¹A successful soil bioassay must be performed prior to planting any crops not listed sooner than 24 months after a *League MVP* Herbicide application. A successful bioassay is one in which a representative soil sample is taken from the field in question and the crop to be planted into that field is safely grown in that soil.

INSTRUCTIONS FOR USE IN RICE

Weeds Controlled/Suppressed by *League MVP* Herbicide

COMMON NAME	SCIENTIFIC NAME	RATE OF LEAGUE MVP HERBICIDE
Broadleaf and Aquatic Weeds		30 to 35 lb/A
Controlled		
Burhead	<i>Echinodorus cordifolius</i>	Weeds beyond the one-leaf growth stage may not be controlled.
Ducksalad	<i>Heteranthera limosa</i>	
Naiads	<i>Najas</i> spp.	Under heavy weed pressure use the 35 lb/A rate. Weeds must be submerged for optimum control.
Pondweed, American	<i>Potamogeton nodosus</i>	
Redstem	<i>Ammannia</i> spp.	
Grasses and Sedges		
Controlled		
Barnyardgrass	<i>Echinochloa crus-galli</i>	
Bulrush, Ricefield	<i>Scirpus mucronatus</i>	
Early Watergrass	<i>Echinochloa oryzoides</i>	
Smallflower Umbrellaplant	<i>Cyperus difformis</i>	
Sprangletop	<i>Leptochloa</i> spp.	
Waterhyssops	<i>Bacopa</i> spp.	
Suppressed		
Late Watergrass	<i>Echinochloa phyllopogon</i>	

Aerial Application Parameters

- Only fixed wing aircraft can be used for aerial application of *League MVP* Herbicide.
- Release height must be 20 to 30 ft.
- Wind speed cannot exceed 7 mph.

APPLICATION INSTRUCTIONS

Apply after flooding when rice is in the expanded two-leaf stage (first open leaf). Do not apply if rice is exhibiting symptoms of stress. The variety Cal Pearl may react adversely to some stress conditions more than other varieties.

Cold weather during the planting season may result in decreased weed control due to prolonged period of weed seed germination.

Water Management Instructions

Do not drain League MVP Herbicide treated fields for a minimum of 14 days after application, except where state regulation may require a longer water holding period (19 or 30 days) or allow shorter water holding periods for hydrologically isolated fields (as verified by the County Agricultural Commissioner), or for fields associated with systems designed to isolate discharged water from natural bodies of water. Examples of such systems include tailwater recovery systems for single or multiple fields and use of fallow land for ponding discharge water. Contact the California Department of Pesticide Regulation or the County Agricultural Commissioner for further information on acceptable water management practices.

Maintain water level in the checks at 3 to 4 inches with no exposed soil. Maintain water flow at a minimum during and up to four days after application for best weed control.

**SUGGESTED MANAGEMENT PRACTICES
POST-FLOOD WATER-SEEDED USES OF
LEAGUE MVP HERBICIDE**

League MVP Herbicide use in rice fields which develop anaerobic (low oxygen content) soil conditions following planting may reduce plant stand and yield. Anaerobic soil conditions are likely to occur when: (1) green matter and crop residue is plowed or worked into the soil prior to planting, (2) internal soil drainage is slow (poor percolation), (3) there is a continuous flood, and/or (4) there are areas in the field which retain water during periods of prescribed flood removal. Symptoms of anaerobic conditions include: (1) dark green foliage, (2) reduced plant height, (3) plant deformation.

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Management practices which will help to minimize the development of anaerobic soil conditions and thereby promote good soil conditions for the production of healthy rice treated with League MVP Herbicide are:

- Removal of previous crop and weed residues, or
- Destruction of previous crop and weed residues by:
 - burning (where state regulations allow)
 - fall and winter plowing
 - use of chemical “burndown” (glyphosate or paraquat) to prevent vegetation buildup after initial ground preparation (fall and winter plowing) and prior to final seedbed preparation.
- Application of fertilizer based on soil test results – do not apply excess phosphorus.
- Uniform leveling practices which eliminate low spots in the field and ensure that the field can be entirely drained, if necessary. (This is far more difficult to achieve with the use of contour levees. Fields which have been precision leveled for perimeter ditches or straight levees are more suited to rapid removal of flood water.)
- Maintain uniform flood depth of 3 to 4 inches.

Water-seeded rice fields treated with League MVP Herbicide (post-flood) should be inspected regularly through the stand establishment and tillering stages. If phytotoxic symptoms (see above) occur, immediately drain the field (if recirculating systems or water impoundment allows or the field is hydrologically isolated) for 7 to 14 days or until the soil starts to crack to allow the soil to oxygenate; then reflood. Low spots which do not drain completely may continue to display phytotoxic symptoms.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage, disposal or cleaning of equipment. Open dumping is prohibited.

PESTICIDE STORAGE: Keep pesticide in original container. Do not put concentrate or dilute into food or drink containers. Store in cool, dry, secure place. Protect from excessive heat. Do not store or transport near feed or food. Not for use or storage in or around the home. For help with any spill, leak, fire or exposure involving this material, call day or night: 800-892-0099.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER HANDLING: Nonrefillable bag. Do not reuse or refill the bag. Completely empty the bag by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into equipment. Offer for recycling if available or dispose of empty bag in a sanitary landfill or by incineration.

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Manufactured for
Valent U.S.A. Corporation

P.O. Box 8025
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Made in U.S.A.
Form 1866-D
EPA Reg. No. 59639-189
EPA Est. 61842-CA-001

Information contained in this booklet is accurate at the time of printing. Since product testing is a continuous process, please read and follow the directions on the product label for the most current directions and precautionary statements.

Always check with your state to verify state registration status or call 800-6-VALENT (682-5368).



For state registration and/or supplemental labels, please call or visit us online.

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Always read and follow label instructions.

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