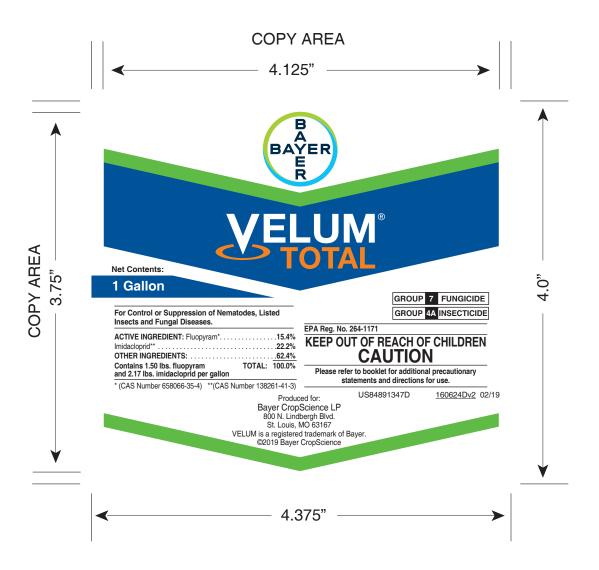
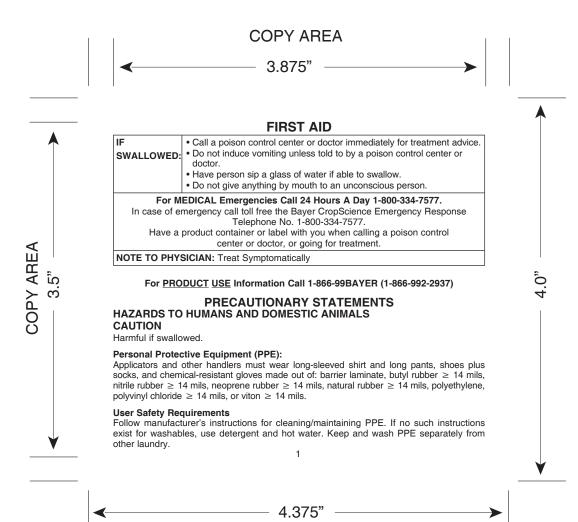
SMTL US84891347D (160624Dv2) VELUM TOTAL SC440 1 Gallon ETL cmyk 2/19/19







Engineering Control Statements:

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

USER SAFETY RECOMMENDATIONS

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing/PPE 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

For terrestrial uses: Do not apply directly to water, or 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 washwater or rinsate. This product may impact surface water quality due to runoff of rain water. This is especially true for poorly draining soils and soils with shallow ground water. This product is classified as having high potential for reaching surface water via runoff for several months or more after application. A level, well-maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential loading of fluopyram and imidacloprid. Runoff of this product will be reduced by avoiding applications when rainfall or irrigation is expected to occur within 48 hours. Sound erosion control practices will reduce this product's potential to reach aquatic sediment via runoff.

This chemical has properties and characteristics associated with chemicals detected in ground water. This chemical may leach into groundwater if used in areas where soils are permeable, particularly where the water table is shallow.



This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are foraging the treatment area. This product is toxic to wildlife and highly toxic to aquatic invertebrates.

Endangered Species Notice

Under the Endangered Species Act, it is a Federal Offense to use any pesticide in a manner that results in the death of a member of an endangered species. Consult your local county bulletin, County Extension Agent, or Pesticide Lead Agency for information concerning endangered species in your area.

RESISTANCE MANAGEMENT

One of the active ingredients in VELUM® TOTAL, fluopyram, belongs to the succinate dehydrogenase inhibitor (SDHI) fungicide chemical class (FRAC Group 7). Application of VELUM TOTAL to the soil using the methods described in the Use Directions for Specific Crops section of this label can provide suppression of the diseases listed in each crop section. To limit the risk of resistance development for medium to high risk fungal pathogens, follow these management guidelines:

Application of VELUM TOTAL should be considered as one of the total foliar fungicidal SDHI applications per crop

- The first foliar fungicide application to the crop following a VELUM TOTAL application should be a fungicide from a different FRAC Mode of Action Group with satisfactory activity against the fungal pathogen targeted by VELUM TOTAL.
- Use a minimum time interval between application of VELUM TOTAL and the first foliar application of a fungicide with a different mode of action.
- Use a foliar fungicide spray program with alternating modes of action for the remainder of the crop growing period.

The second active ingredient in VELUM TOTAL, imidacloprid, belongs to the neonicotinoid insecticide chemical class (IRAC Group 4A).

In order to maintain susceptibility to this class of chemistry for each crop specified on this label, only a single application of VELUM TOTAL is to be made according to the

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methods described in the Use Directions for Specific Crops section with no additional foliar applications from Group 4A Insecticides. A soil-applied Group 4A program and a foliar-applied Group 4A Insecticide program are not to be used on the same crop when targeting insect species with high resistance development potential.

Contact your Cooperative Extension specialist, certified crop advisor and/or product manufacturer for additional insect resistance management recommendations. Also, for more information on Insect Resistance Management (IRM), visit the Insecticide Resistance Action Committee (IRAC) on the web at http://www.irac-online.org.

DIRECTIONS FOR USE

STOP - READ THE LABEL BEFORE USE

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

Read entire label before using this product.

Do not apply this product in a way that will contact workers or other persons, either directly 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 12 hours. (continued)

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AGRICULTURAL USE REQUIREMENTS (continued)

PPE required for early entry 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 over long-sleeved shirt and long pants, socks and shoes, and chemical-resistant gloves.

PRODUCT INFORMATION

VELUM TOTAL is labeled on specific crops for the control or suppression of certain nematodes, insects and fungal diseases. The active ingredient, fluopyram, in VELUM TOTAL provides for suppression or control of nematodes by contact activity in the soil, and for suppression of certain fungal diseases through root uptake and xylem systemic movement to plant foliage. The active ingredient, imidacloprid, in VELUM TOTAL provides for suppression or control of insects in soil by contact activity and on foliage through root uptake and xylem systemic movement to plant foliage.

LABELED USES

Only for use in in-furrow applications, and through drip, trickle or subsurface irrigation systems on cotton, and peanuts.

RESTRICTIONS

- · Do not apply aerially.
- Do not apply to plants grown in non-soil media such as perlite, vermiculite, rock wool or other soil-less media, or plants growing hydroponically.
- Do not apply more than the maximum rate for each specific crop from any combination of products containing fluopyram (0.45 lb active ingredient per acre per year) or imidacloprid (0.38 to 0.5 lb active ingredient per acre per year depending on the crop), regardless of formulation or method of application.

TAKE THE FOLLOWING PRECAUTIONS WHEN MIXING AND APPLYING IN THE VICINITY OF AQUATIC AREAS SUCH AS LAKES; RESERVOIRS; RIVERS; PERMANENT STREAMS, MARSHES OR NATURAL PONDS; ESTUARIES AND COMMERCIAL FISH FARM PONDS.

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Mixing and Loading Requirements

To avoid potential contamination of groundwater, use a properly designed and maintained containment pad for mixing and loading of any pesticide into application equipment where possible. If containment pad is not used, maintain a minimum distance of 25 feet between mixing and loading area and potential surface to groundwater conduits such as field sumps, incased well heads, sink-holes, or field drains.

No-Spray Zone Requirements for Soil Applications

Do not apply within 25 feet, of lakes; reservoirs; rivers; permanent streams, marshes or natural ponds; estuaries and commercial fish farm ponds.

Runoff Management

Do not cultivate within 10 feet of the aquatic areas to allow growth of a vegetative filter strip. When using VELUM TOTAL on erodible soils, employ the Best Management Practices for minimizing runoff. Consult your local Natural Resources Conservation Service for advice in your use area.

Spray Drift Management

The application of this product occurs as a directed in-furrow spray, or through drip or trickle chemigation, and therefore, spray drift will be negligible. However, the interaction of many equipment and weather related factors determine the potential for spray drift, and the applicator is responsible for considering all of these factors when making application decisions.

APPLICATION INFORMATION

In-furrow at-plant applications

Where permitted by crop specific use directions apply in-furrow during planting operations. Applications of VELUM TOTAL are to be directed into the seed or root-zone of the planted crop. Failure to place VELUM TOTAL into root-zone may result in loss of control or delay in onset of activity.

The earlier VELUM TOTAL is available to a developing plant, the earlier the protection begins. VELUM TOTAL is taken into the roots and the systemic nature of VELUM TOTAL allows movement from roots through the xylem tissue to vegetative parts of the plant. VELUM TOTAL





will generally not control or suppress insects infesting, and diseases infecting flowers, blooms or fruit. Additional crop protection measures may be required for insects and diseases on these plant parts and for insects and diseases not listed in the crop-specific, pests controlled sections of this label.

CHEMIGATION APPLICATION

Apply this product only through low-pressure drip, trickle or subsurface irrigation systems.

Uniform Water Distribution and System Calibration

The irrigation system must provide uniform distribution of treated water. Do not apply this product through any other type of irrigation system. Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from non-uniform distribution of treated water. The system must be calibrated to uniformly apply the rates specified. If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts.

Chemigation Monitoring

A person knowledgeable of the chemigation system and responsible for its operation or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

Required System Safety Devices and Using Water from Public Water Systems

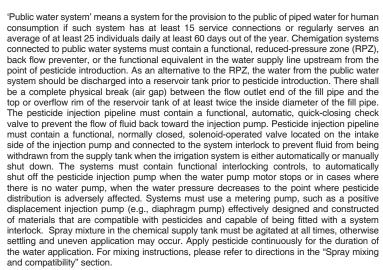
This product has not been sufficiently tested when applied through irrigation systems to assure consistent product performance for all labeled uses. The following application techniques are provided for user reference but do not constitute a warranty of fitness for application through drip irrigation equipment. Users must check with state and local regulatory agencies for potential use restrictions before applying any agricultural chemical through drip irrigation equipment.

Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system, unless the pesticide label prescribed safety devices for public water systems are in place.





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COPY AREA

This product may be used through the basic types of irrigation systems as outlined below. The system must contain a functional check valve, vacuum relief valve, and low-pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from back flow. See crops section on the label for required treatment rates and additional use information.



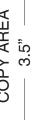
Drip Irrigation Equipment

With stationary systems, an effectively designed in-line Venturi applicator unit is preferred to support even and quick distribution. However, a positive-displacement pump can also be used. Fill the tank of injection equipment with water and adjust flow to use contents over 30 to 45 minutes. Mix desired amount of this product for acreage to be covered with water so that the total mixture of this product plus water in the injection tank is equal to the quantity of water used during calibration. Provide chemical supply tank agitation sufficient for mixing until chemigation is completed. Operate entire system at normal pressures recommended by the manufacturer of injection equipment used, for amount of time established during calibration. This product can be injected during the irrigation cycle or as a separate application. For drip irrigation systems, introduce fungicide into irrigation solution for a period sufficient to distribute the product uniformly in the crop. Fungicide should be added near the end of the normal irrigation cycle so that subsequent watering will not flush the product from the root zone. Stop injection equipment with any system after treatment is completed and continue to operate irrigation system until this product has been cleared from the last drip irrigation line.

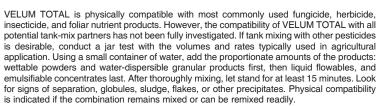
TANK MIXING AND COMPATIBILITY

It is the pesticide user's responsibility to ensure that <u>all products</u> in the mixtures are registered for the intended use. Users must follow the most restrictive directions and precautionary language of the products in the mixture.

Begin with clean equipment and add one-half of the required amount of water to the mixing tank and start agitation. Add the required quantity of this product, and the tank-mix partner if applicable, to the water and complete filling with water to the required total volume. Follow the recommendations of your State Cooperative Extension Service for tank mixing with other products. In general, follow the order beginning first with water-soluble packaging (wait for it to completely dissolve), wettable powders and water-dispersible granular products, liquid flowables and suspension concentrates, and emulsifiable concentrates last. Maintain agitation throughout spraying. Do not allow spray mixture to remain in the tank overnight, or for long periods during the day without agitation. When tank mixing with other pesticides, observe the more restrictive label limitations and precautions.



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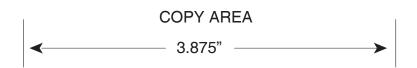


The crop safety of all potential tank-mixes with VELUM TOTAL has not been tested on all crops. Before applying any tank-mixture not specified on this label, safety to the target crop should be confirmed on a small portion of the crop to be treated to ensure an adverse response will not occur.

ROTATIONAL CROP RESTRICTIONS

The following crops may be replanted immediately following the last application of VELUM TOTAL: Artichoke, globe; Berries, subgroup 13A; Blueberry; Brassica, Head and Stem, subgroup 5A; Brassica Leafy Greens, subgroup 5B; Corn, field, grain; Corn, pop, grain; Corn, sweet kernel plus cob with husks removed; Currant; Elderberry; Fruit, citrus, group 10; Fruit, pome, group 11; Gooseberry; Grain, cereal, group 15 (except corn and rice); Herb subgroup 19A; Hop, dried cones; Huckleberry; Juneberry; Leafy greens subgroup 4A; Leaf petioles subgroups 4B (except watercress); Legume vegetables (except cowpea and dried peas); Ligonberry; Melon subgroup 9A; Nut, tree, group 14; Onion, bulb, subgroup 3-07A; Onion, green, subgroup 3-07B; Peanut; Rapeseed; Soybean; Squash/Cucumber subgroup 9B; Strawberry; Sugarbeet, roots; Sunflower, seed; Tomato; Vegetable, root, except sugarbeet, subgroup 1B; and Vegetable, tuberous and corm subgroup 1C. Do not rotate to crops other than those listed above.

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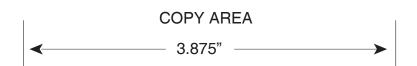
USE DIRECTIONS FOR SPECIFIC CROPS

COTTON		
Pests Controlled		Rates Fluid ounces/Acre
Cotton aphid Nematodes Plant bugs	Thrips Whiteflies	14 – 18
Pests Suppressed		Use the higher rate if pest infestations are expected to be severe.
Fusarium spp. Target spot (Corenespora cassiicola)		

- Cotton Soil Applications
 Apply specified dosage in the following methods:
 In-furrow spray during planting directed on or below seed;
 Chemigation into root-zone through low-pressure drip or trickle irrigation.

Cotton - Soil Application Restrictions

- Do not apply more than 19 fl oz of VELUM TOTAL per acre per year.
- Do not apply VELUM TOTAL within 30 days of harvest.
- Regardless of formulation or method of application, (seed treatment, soil or foliar) do not apply more than 0.5 lb of imidacloprid active ingredient or 0.45 lb of fluopyram active ingredient per acre per year.
- Do not graze treated fields after any application of VELUM TOTAL.
- Please see Resistance Management section of this label for directions specific to VELUM TOTAL soil application.





PEANUT

Pests Controlled	Rates Fluid ounces/Acre			
Aphids Leaf Hoppers Nematodes Thrips Whiteflies	. 18			
Pests Suppressed				
Early leaf spot (<i>Cercospora arachidicola</i>) Late leaf spot (<i>Cercosporidium personatum</i>) White mold (<i>Sclerotium rolfsii</i>)				

Peanut - Soil Applications

Apply specified dosage in the following methods:

- In-furrow spray during planting directed on or below seed;
- Chemigation into root-zone through low-pressure drip, trickle or subsurface irrigation.

Peanut - Soil Application Restrictions

- Do not apply more than 19 fl oz of VELUM TOTAL per acre per year.
- Do not apply VELUM TOTAL within 14 days of harvest.
- Regardless of formulation or method of application, (seed treatment, soil or foliar) do not apply more than 0.5 lbs of imidacloprid active ingredient or 0.45 lbs of fluopyram active ingredient per acre per year. Do not graze treated fields after any application of VELUM TOTAL.
- Do not feed hay or threshing to livestock.
- Please see Resistance Management section of this label for directions specific to VELUM TOTAL soil application.

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COPY AREA

Increases in Tomato spotted wilt virus (TSWV) incidence have been observed on multiple varieties of peanut with applications of imidacloprid which is a component of VELUM TOTAL. This may also be the case with other tospoviruses, or other viruses transmitted by various thrips species or perhaps, other pests. Prior to applying VELUM TOTAL to peanuts, consult with the State, Cooperative Extension Service, or Bayer CropScience representative, for recommendations. Growers are advised to weigh insect control benefits against potential increase in viral disease levels. In areas where TSWV or other tospovirus are endemic, growers are encouraged to use virus resistant varieties.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

Pesticide Storage: Store in original container and keep tightly closed when not in use. Store in a cool dry place. Avoid cross-contamination with other pesticides.

Pesticide Disposal: Pesticide wastes may be toxic. Improper disposal of unused pesticide, spray mixture, or rinse water is a violation of federal law. If these wastes cannot be disposed of by use according to label instruction, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance in proper disposal methods.

Container Handling:

Non-Refillable Containers

Rigid, Non-refillable containers (equal to or less than 5 gallons)

Non-refillable container. Do not reuse or refill this container. Offer for recycling, if available. Triple rinse or pressure rinse container (or equivalent) promptly after emptying. Triple rinse 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 1/4 full with water and (continued)



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

COPY AREA

Pressure rinse as follows: Empty the remaining contents into application equipment or a 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.

Once container is rinsed, offer for recycling if available or puncture and dispose of in a sanitary landfill.

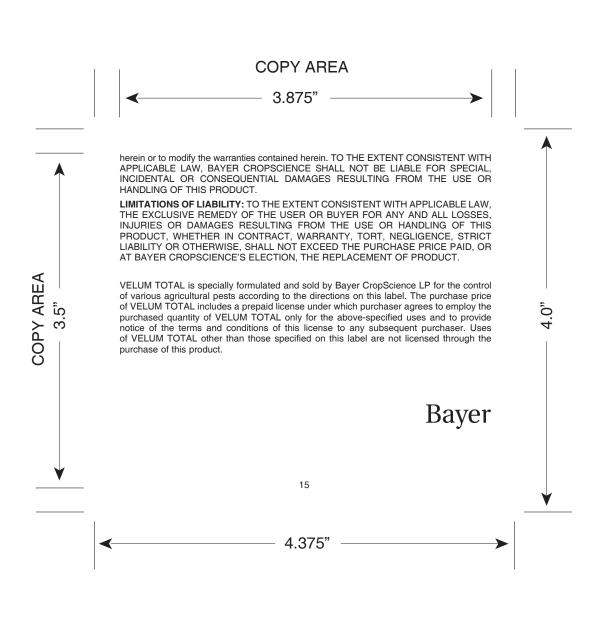
IMPORTANT: READ BEFORE USE

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following Conditions, Disclaimer of Warranties and Limitations of Liability.

CONDITIONS: The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the 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 Bayer CropScience. All such risks shall be assumed by the user or buyer.

DISCLAIMER OF WARRANTIES: TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BAYER CROPSCIENCE MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, THAT EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of Bayer CropScience is authorized to make any warranties beyond those contained



BASE LABEL

