



U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs
Registration Division (7505T)
1200 Pennsylvania Ave., N.W.
Washington, D.C. 20460

EPA Reg. Number:

97328-1

Date of Issuance:

11/6/24

NOTICE OF PESTICIDE:

☒ Registration
☐ Reregistration
(under FIFRA, as amended)

Term of Issuance:

Unconditional

Name of Pesticide Product:

VPGR-2

Name and Address of Registrant (include ZIP Code):

Vuples Agricultural Corp.
4625 Lindell Boulevard #230
Saint Louis, MO 63108

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA).

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is unconditionally registered in accordance with FIFRA section 3(c)(5) provided that you:

1. Submit and/or cite all data required for registration/reregistration/registration review of your product when the Agency requires all registrants of similar products to submit such data.

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Signature of Approving Official:

Kristy Crews, Ph.D., Product Manager 22
Fungicide Branch, Registration Division (7505T)

Date:

11/6/24

2. Make the following label changes before you release the product for shipment:
 - Revise the EPA Registration Number to read, "EPA Reg. No. 97328-1."
3. Submit one copy of the final printed label for the record before you release the product for shipment.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under FIFRA and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) lists examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records.

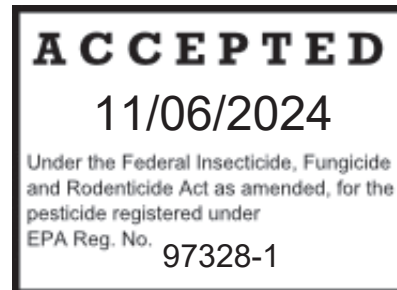
The record for this product currently contains the following CSF(s):

- Basic CSF dated 10/09/2024

If you have any questions, please contact Elisha Graham at graham.elisha@epa.gov.

Enclosure- Stamped Label

“VPGR-2” Plant Regulator



FOR USE ON COTTON.

Benefits of foliar application with this product include reducing the plant height; Improving boll size and quality; Improving defoliation; Inducing more open canopy; Improving harvest and ginning efficiency through the above effects.

Active Ingredient*

Mepiquat pentaborate.....9.6%

Other Ingredients90.4%

Total100.0%

* Equivalent to 0.83 pound active ingredient per gallon

KEEP OUT OF REACH OF CHILDREN

CAUTION

| First Aid | |
|------------------------|---|
| If in eyes | <ul style="list-style-type: none"> • Hold eyes open and rinse slowly and gently with water for 15 to 20 minutes. • Remove contact lenses, if present, after first 5 minutes; then continue rinsing eyes. • Call a poison control center or doctor for treatment advice |
| If swallowed | <ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice • Have person sip a glass of water if able to swallow |
| If inhaled | <ul style="list-style-type: none"> • 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 treatment advice |
| If on skin or clothing | <ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15 to 20 minutes. • Call a poison control center or doctor for treatment advice |
| Hotline Number | |

September 30, 2024

Have the product container or label with you when calling a poison control center or doctor or going for treatment. For medical emergency treatment, call 1-800-222-1222.

For non-emergency information on this product, call (877) 885-2474 or contact the National Pesticides Information Center (NPIC) at 1-800-858-7378. Monday through Friday, 8 AM to 12 PM PST. or at <http://npic.orst.edu>.

EPA Registration No. 97328-xx

EPA Establishment No. XXXX-XX-X

Vulpes Agricultural Corp.

4625 Lindell Blvd, #230,

Saint Louis, MO, 63108

1-314-833-8683

Net Weight: [2.5 Gallons (jug) or 275 Gallons (tote)]

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION. Avoid contact with eyes, skin, or clothing. In case of contact, immediately flush eyes, or skin with plenty of water. Get medical attention if irritation persists. Harmful if absorbed through skin. Wash thoroughly with soap and water after handling.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks

USER SAFETY RECOMMENDATIONS

- Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. If pesticide gets on skin, wash immediately with soap and water.
- Users should 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.

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

Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.

Engineering Controls Statement: When handlers use closed cabs, 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.

ENVIRONMENTAL HAZARDS

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 cleaning equipment or disposing of equipment washwaters.

This product may adversely impact the forage and habitat of non-target organisms, including pollinators, in areas adjacent to the treated site. Protect the forage and habitat of non-target organisms by minimizing spray drift.

Runoff Prevention: To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutter, or surface waters. Applying this product in clam weather when rain is not predicted for the next 24 hours will help ensure that wind or rain does not blow or wash of VPGR-2 off the treatment area. Rinsing application equipment over the treated area will help avoid run off to water bodies or drainage systems.

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 area during the restricted entry interval (REI) of 12 hours.

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
- Waterproof gloves
- Shoes plus socks

For any requirements specific to your State, consult the agency in your State responsible for pesticide regulation.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with the terms of the label.

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 State or Tribal agency responsible for pesticide regulation.

DO NOT apply this product through any type of irrigation system. Foliar application ONLY.

DIRECTIONS FOR USE

- Use only as directed. Read the label thoroughly and make sure it is understood before making applications.
- Undesired effects can result from any deviations from the label directions in the rates, timings, water volumes, or the adoption of untested spray mixes, when applying VPGR-2.
- To prepare the treatment solution, add the required amount of VPGR-2 to a spray tank about half-filled with water. Agitate while bringing the total volume of water to the required level. Mix thoroughly with agitation and bypass circulation to completely dissolve the VPGR-2. Discard any unused treatment solution at the end of each day following local, state, or federal law.

PRODUCT INFORMATION

Before using this product, read all sections of this label

VPGR-2 is a plant regulator dedicated for cotton. It balances vegetable and reproductive growth of cotton and promotes the yield potential of cotton. Plant growth and response to VPGR-2 depend on a variety of environmental and cultural factors. VPGR-2 is especially suitable for wet conditions and for vigorous growth of cotton.

Foliar Spray: VPGR-2 is intended as a foliar spray product. It should not be used as a seed treatment or as a part of irrigation/chemigation. For best results, apply the foliar spray with the suggested amounts. Common surfactants can be used.

COMPATIBILITY WITH OTHER AGRICULTURAL PRODUCTS

It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.

Do not tank mix VPGR-2 with any product unless compatibility has been verified. If considering tank mixing VPGR-2 with other products use the following compatibility jar test before mixing a whole tank. To test the compatibility, in a small jar, add water from the same water source and then VPGR-2 and other products in correct proportions. Mix thoroughly and let stand for a minimum 15 minutes. Separation, gelling, or generation of heat are all signs of incompatibility.

Even if a mix passes the jar test for compatibility, it is imperative to test it on a designated area to evaluate for phytotoxicity or ineffectiveness.

Always read and follow all label directions and precautions of each product. When using combinations of products, follow the most restrictive of all precautions and limitations on this label and labels of other products used in the tank mixture with VPGR-2. label limitations and precautions must be followed.

Do not mix with any pesticide that has a prohibition against tank mixing. For further information consult your Vulpes Agricultural Specialist.

USAGE

Optimal application rates of this product vary depending on the crop, the specific production situation, and many other factors. Users must conduct small-scale trials to determine the most optimal application rate. The rates specified in this label are general guidelines to facilitate growers design trials to determine the most optimum application rates for their growing conditions.

Do not apply more than 24 fluid ounces per acre (0.144 lbs active ingredient per acre) in total for early season or late season. Do not apply more than 48 fluid ounces per acre (0.288 lbs active ingredient per acre) in total for the entirety of seasonal application (yearly max; early season application plus late season application).

| Early Season Foliar Application | | | |
|--|--|--|---|
| Objective/Benefit | State | Use Rate | Application |
| One or more of the following: Reducing the plant height; Improving boll size and quality; Improving defoliation; Inducing more open canopy; Improving harvest and ginning | AL, AR, FL, GA, LA, MO, MS, NC, SC, TN, VA | 8-24 fluid ounces (0.048-0.144 lbs active ingredient) per acre per application | <ul style="list-style-type: none"> Apply VPGR-2 for the first time after around 6 weeks of planting, when cotton reaches its "pinhead square stage". After the first application, continue to measure and monitor the height (inch)/node ratio. If cotton is growing vigorously and/or if the height/node ratio |

| | | | |
|---|--|--|--|
| efficiency through the above effects. | AZ, KS, NM, OK, TX, | 4-24 fluid ounces (0.024-0.144 lbs active ingredient) per acre per application | <p>exceeds 1.5, apply VPGR-2 around 2 weeks after the first application for the second time.</p> <ul style="list-style-type: none"> If cotton is growing vigorously and/ or if the height/node ratio still exceeds 1.5, apply VPGR-2 as need. |
| Late Season Foliar Application | | | |
| <p>One or more of the following:</p> <p>Reducing the plant height; Improving boll size and quality; Improving defoliation; Inducing more open canopy; Improving harvest and ginning efficiency through the above effects.</p> | AL, AR, AZ, FL, GA, LA, MO, MS, NM, NC, OK, SC, TN, TX, VA | 8-24 fluid ounces (0.048-0.144 lbs active ingredient) per acre per application | Apply VPGR-2 around 4-6 weeks of blooming, especially when regrowth begins or when there are 4-6 nodes above the white flower. |

Restrictions and Limitations

Do not apply more than 48 fluid ounces (0.288 lbs active ingredient per acre per season) per acre per year (**one** early season application plus **one** late season application **per year**).

Do not apply VPGR-2 within 30 days of harvest.

Do not plant another crop within 75 days of last treatment.

Restricted Entry Interval = 12 hours

Do not apply VPGR-2 to cotton that is drought stressed. If using the low-rate multiple option, discontinue use until the moisture stress is alleviated.

Do not graze or feed cotton forage to livestock.

Do not apply this product through any type of irrigation system.

Aerial Application Method and Equipment

Spray Volume:

Use a minimum of 2 gallons of spray solution (that does not include chloride – potable water should NOT be used) per acre

When applying aerially:

- Do not release spray at a height greater than 10 ft above the crop canopy, unless a greater application height is necessary for pilot safety.
- The spray boom must be mounted on the aircraft so as to minimize drift caused by wing tip vortices. The boom length must not exceed 75% of the wingspan or 90% of the rotor blade diameter.
- When applying to crops via aerial application equipment, use 1/2 swath displacement upwind at the edge of the field.
- Orient nozzles so the spray is directed toward the back of the aircraft.

Ground application

Spray volume:

Use a minimum of 10 gallons of spray solution (that does not include chloride – potable water should NOT be used) per acre in all applicable states.

For all ground applications:

- When using ground application equipment, apply with nozzle height no more than 3 feet above the ground or crop canopy.
- When applying via airblast, turn off outward spraying nozzles on the outside row of the vineyard. In addition, applications must be directed into the canopy foliage. Applications must not be made over the top of the canopy.

For Ground and Aerial Applications

- Applicators are required to use a medium to coarser droplet size, as defined by ASABE Standard S572.1.
- Do not apply when wind speeds exceed 10 miles per hour at the application site.
- Do not apply during temperature inversions.

MANAGING OFF-TARGET MOVEMENT

SPRAY DRIFT MANAGEMENT:

The interaction of many equipment and weather-related factors determines the potential for spray drift. The applicator and the grower are responsible for considering all these factors when making decisions. The following drift management requirements must be followed to avoid off-target drift movement from aerial applications to agricultural field crops. These requirements do not apply to forestry applications, public health uses or to applications using dry formulations.

- The distance of the outermost nozzles on the boom must not exceed 3/4 the length of the wingspan or rotor.

- Nozzles must always point backward parallel with the air stream and never be pointed downward more than 45 degrees.

Where states have more stringent regulations, they should be observed.

The applicator should be familiar with and take into account the information covered in the aerial drift reduction advisory information following.

SPRAY DRIFT ADVISORIES:

THE APPLICATOR IS RESPONSIBLE FOR AVOIDING OFFSITE SPRAY DRIFT. BE AWARE OF NEARBY NON-TARGET SITES AND ENVIRONMENTAL CONDITIONS.

Importance of Droplet Size:

An effective way to reduce spray drift is to apply large droplets. Use the largest droplets that provide target pest control. While applying larger droplets will reduce spray drift, the potential for drift will be greater if applications are made improperly or under unfavorable environmental conditions.

Controlling Droplet Size - Ground Boom:

- Volume - Increasing the spray volume so that larger droplets are produced will reduce spray drift. Use the highest practical spray volume for the application. If a greater spray volume is needed, consider using a nozzle with a higher flow rate.
- Pressure - Use the lowest spray pressure recommended for the nozzle to produce the target spray volume and droplet size.
- Spray Nozzle - Use a spray nozzle that is designed for the intended application. Consider using nozzles designed to reduce drift.

Controlling Droplet Size – Aircraft:

- Adjust Nozzles - Follow nozzle manufacturers recommendations for setting up nozzles. Generally, to reduce fine droplets, nozzles should be oriented parallel with the airflow in flight.

Boom Height – Ground Boom:

- For ground equipment, the boom should remain level with the crop and have minimal bounce.

Release Height – Aircraft:

- Higher release heights increase the potential for spray drift.

Shielded Sprayers:

- Shielding the boom or individual nozzles can reduce spray drift. Consider using shielded sprayers. Verify that the shields are not interfering with the uniform deposition of the spray on the target area.

Temperature and Humidity:

- When making applications in hot and dry conditions, use larger droplets to reduce effects of evaporation.

Temperature Inversions

- Drift potential is high during a temperature inversion.
Temperature inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. The presence of an inversion can be indicated by ground fog or by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing. Avoid applications during temperature inversions.

Wind

- Drift potential generally increases with wind speed. AVOID APPLICATIONS DURING GUSTY WIND CONDITIONS.
- Applicators need to be familiar with local wind patterns and terrain that could affect spray drift.

Rain-safe Period

If rain is expected within 8 hours, use a high-quality, EPA-exempt surfactant to make VPGR-2 rain-safe after 2 hours.

STORAGE AND DISPOSAL

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

VPGR-2 Storage

Do not freeze.

VPGR-2 Disposal

Pesticide wastes are toxic. Improper disposal; of excess pesticide, spray mixture, or rinsate is a violation of federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Hazardous Waste representative at the nearest EPA Regional Office for guidance.

Container Handling – Refillable Container (≤ 5 gallons or > 5 gallons)

Refill this container with pesticide only. Do not reuse this container for any other purpose. Triple rinsing the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller.

Triple rinse as follows: To clean the container before final disposal, empty the remaining contents into application equipment or a mix tank. Fill the container about 10% full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or a mix tank or rinsate collection system. Repeat this procedure two more times.

WARRANTY AND DISCLAIMER STATEMENT:

To the extent consistent with applicable law, the seller makes no warranty, express or implied, or merchantability, fitness or otherwise concerning use of this product other than as indicated on the label. The user assumes all risks of use, storage or handling not in strict accordance with accompany directions.