



U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (7505P)
1200 Pennsylvania Ave., N.W.
Washington, D.C. 20460

EPA Reg. Number:

5481-654

Date of Issuance:

12/3/20

NOTICE OF PESTICIDE:

Registration
 Reregistration
(under FIFRA, as amended)

Term of Issuance:

Unconditional

Name of Pesticide Product:

317-19

Name and Address of Registrant (include ZIP Code):

AMVAC Chemical Corporation
4695 MacArthur Court, Suite 1200
Newport Beach, CA 92660

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.

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.
2. The data requirements for storage stability and corrosion characteristics (Guidelines 830.6317 and 830.6320) are not satisfied. A one year study is required to satisfy these data requirements. You have 18 months from the date of registration to provide these data.

Signature of Approving Official:

Shaja B. Joyner, Product Manager 20
Fungicide-Herbicide Branch
Registration Division 7505P

Date:

12/3/20

3. Make the following label changes before you release the product for shipment:
 - Revise the EPA Registration Number to read, “EPA Reg. No. 5481-654.”
4. Submit one copy of the revised final printed label for the record before you release the product for shipment.

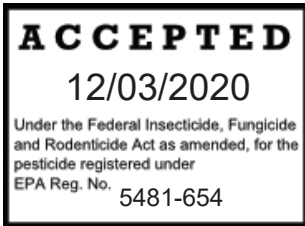
Should you wish to add/retain a reference to the company’s website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list 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. Please also note that the record for this product currently contains the following CSFs:

- Basic CSF dated 12/17/2019

If you have any questions, please contact Lindsay DeMers via email at demers.lindsay@epa.gov.

Enclosure



Azoxystrobin	Group	11	Fungicide
--------------	-------	-----------	-----------

317-19

A Ready to Use emulsifiable concentrate for use in closed loading systems only for cotton, corn, peanut and soybeans

ACTIVE INGREDIENT:	% BY WT.
Azoxystrobin (CAS No 131860-33-8)	4.37%
OTHER INGREDIENTS:	<u>95.63%</u>
TOTAL:	100.0%

Contains 0.4 lbs of azoxystrobin per gallon

KEEP OUT OF REACH OF CHILDREN CAUTION/PRECAUCION

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.
(If you do not understand the label, find someone to explain it to you in detail.)

FIRST AID	
IF IN EYES:	<ul style="list-style-type: none"> 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 immediately 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. DO NOT induce vomiting unless told to do so by the poison control center or doctor. DO NOT give anything by mouth to an unconscious person.
IF ON SKIN OR CLOTHING:	<ul style="list-style-type: none"> Take off contaminated clothing. Rinse skin immediately with plenty of soap and water for 15 – 20 minutes. Call a poison control center or doctor for treatment advice.
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.
EMERGENCY INFORMATION	
Have the product container or label with you when calling a poison control center or doctor or going for treatment. FOR THE FOLLOWING EMERGENCIES, PHONE 24 HOURS A DAY: For Medical Emergencies phone:.....1-888-681-4261 For Transportation Emergencies, including spill, leak or fire, phone: CHEMTREC®1-800-424-9300 For Product Use Information phone AMVAC®1-888-462-6822	

See inside for complete **Precautionary Statements, Directions For Use, Limited Warranty and Disclaimer and Storage and Disposal.**

EPA Reg. No. 5481-XXX

NET CONTENTS: _____

EPA Est. No.: _____



[Manufactured for]
AMVAC Chemical Corporation
4695 MacArthur Court, Suite 1200
Newport Beach, CA 92660 U.S.A.

{Optional Marketing claims:

RTU product for use only in SmartCartridge® containers

Azoxystrobin is a well-known, reliable, consistent performing fungicide on key soil diseases.

Target potential problem areas with increased precision by management zone.

Azoxystrobin in SmartCartridge containers will have superior flexibility to target management zones with highest likelihood of disease pressure (low lying areas, soils where water is retained).

Azoxystrobin in SmartCartridge containers can be used preventatively to protect highest yielding management zones so growers can align input spending with areas of greatest return potential.}

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Causes moderate eye irritation. Avoid contact with eyes or clothing. Wear protective eyewear. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

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
- Shoes plus socks
- Protective eyewear

Follow 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.

ENGINEERING CONTROLS

This ready-to-use product is packaged in an enclosed [SMARTCARTRIDGE®] container that meets the definition of a closed loading system in the Worker Protection Standard for Agricultural Pesticides [40 CFR 170.240(d)(4)]. 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

This pesticide is toxic to freshwater and estuarine/marine fish and aquatic invertebrates. **DO NOT** apply directly to water except as specified on this label. 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. Drift and runoff may be hazardous to aquatic organisms in neighboring areas. **DO NOT** contaminate water when disposing of equipment washwater or rinsate.

Azoxystrobin and a degradate of azoxystrobin are known to leach through soil to ground water under certain conditions as a result of label use. This chemical may leach into ground water if used in areas where soils are permeable, particularly where the water table is shallow.

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 a 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 azoxystrobin and a degradate of azoxystrobin from runoff water and sediment. Runoff of this product will be reduced by avoiding applications when rainfall or irrigation is expected to occur within 48 hours.

DIRECTIONS FOR USE

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

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.

Exception: If the product is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

DO NOT enter or allow worker entry into treated areas 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:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves, such as barrier laminate or butyl rubber ≥ 14 mils
- Shoes plus socks
- Protective eyewear

Please refer to the operator's manual for detailed information on [SIMPAS] [precision] application equipment including system operation and calibration procedures for [SIMPAS] [application] system compatible with the SMARTCARTRIDGE container.

Failure to follow the use directions and precautions on this label may result in plant injury or poor disease control.

Under cool, wet conditions crop injury from soil directed applications can occur.

BEST MANAGEMENT PRACTICES

Integrating 317-19 into an overall disease and pest management strategy may improve disease control. 317-19 has activity on certain Fungi and Oomycetes, listed in the labeled pest section. Before using this product, determine if the labeled pathogen(s) are present or may become present, as a failure to do so may lead to poor disease control.

Contact your local extension specialist for more information on disease identification and diagnosis.

RESISTANCE MANAGEMENT

317-19 contains Azoxystrobin, a **Group 11** fungicide. Any fungal population may contain individuals that are naturally resistant to Azoxystrobin and other **Group 11** fungicides. Azoxystrobin (the active ingredient in 317-19) exhibits cross-resistance to other **Group 11** fungicides. Either a gradual or total loss of pest control may occur over time if these fungicides are used in a repeated manner on the same field. Resistance management strategies should be followed. Conform to resistance management strategies established for the crop and use area when using this product. Consult with your local or state agricultural authorities for current resistance management strategies that are complementary to those in the label.

To delay fungicide resistance, take one or more of the following steps:

- If possible, properly identify which plant pathogens are present in the field.
- **DO NOT** apply fungicides at a lower rate than labeled.
- Use **Group 11** fungicides in a preventative manner.
- Rotate the use of Azoxystrobin or other **Group 11** fungicides (strobilurin or QoI fungicides) within a growing season sequence with different fungicide groups that control the same pathogens.
- Use combinations of fungicides from a different group that are equally effective on the target pest when such use is permitted, including seed treatments. Use at least the minimum application rate as labeled by the manufacturer.
- Adopt an integrated disease management program for fungicide use that includes scouting, using historical information related to pesticide use, and crop rotation.
- Consider plant host resistance when available.
- Where possible, make use of predictive disease models to effectively time fungicide applications. Note that using predictive models alone is not sufficient to manage resistance.
- Monitor treated fields for resistance development.
- Follow the specific crop use directions that limit the total number of sprays on a crop and the required alternations with fungicides from other resistance management groups as directed on their respective labels.
- Contact your local extension specialist or certified crop advisor for any additional resistance management guidelines.
- For further information or to report suspected resistance contact AMVAC representatives at 1-888-462-6822 or visit the Fungicide Resistance Action Committee (FRAC) on the web at www.frac.info.

SPRAY DRIFT MANAGEMENT

SPRAY DRIFT

GROUND BOOM APPLICATIONS

- Users must only apply with the release height recommended by the manufacturer, but no more than 4 feet above the ground or crop canopy.
- Applicators are required to use a medium or coarser droplet size (ASABE S572.1).
- **DO NOT** apply when wind speeds exceed 15 miles per hour at the application site.
- **DO NOT** apply during temperature inversions.

SPRAY DRIFT ADVISORIES

THE APPLICATOR IS RESPONSIBLE FOR AVOIDING OFF-SITE 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 pressures 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.

Boom Height - Ground Boom

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

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.

RESTRICTIONS

- Maximum Single Application Rate for 317-19: **DO NOT** exceed 4 fl. oz./1000 row feet (0.0125 lb. AI/1000 row feet).
- Maximum Annual Application Rate for 317-19: **DO NOT** exceed 4 fl. oz./1000 row feet (0.0125 lb. AI/1000 row feet).
- Maximum Annual Rate for cotton: **DO NOT** apply more than 0.4 lb. AI/A/year of any azoxystrobin-containing products for all application types (including seed treatment).

- Maximum Annual Rate for corn: **DO NOT** apply more than 2.0 lb. AI/A/year of any azoxystrobin-containing products for all application types (including seed treatment).
- Maximum Annual Rate for soybean: **DO NOT** apply more than 1.5 lb. AI/A/year of any azoxystrobin-containing products for all application types (including seed treatment).
- Maximum Annual Rate for peanut: **DO NOT** apply more than 0.8 lb. AI/A/year of any azoxystrobin-containing products for all application types (including seed treatment).
- Minimum Single Application Rate for 317-19: **DO NOT** apply less than 32 fl. oz./A (0.1 lb. AI/A).
- **DO NOT** use 317-19 at a rate lower than indicated on the label.
- **DO NOT** dilute or adulterate in any way.
- **DO NOT** remove the tamper evident tape or open the fill-port of the container.
- **DO NOT** apply more than one application of 317-19 [SMARTCARTRIDGE] per year.
- **DO NOT** plant the following crops for a period of 12 months after application: buckwheat and millet.

LABELED CROPS AND PESTS

317-19, as provided in this SMARTCARTRIDGE refillable container, is ready-to-use. Apply 317-19 only with a properly calibrated [SIMPAS] [precision] application system designed for use with the SMARTCARTRIDGE container to ensure accurate product placement and proper dosage.

The [SIMPAS] [precision] equipment operator’s manual contains detailed information on system operation and calibration procedures for the [SIMPAS] [precision] application equipment capable of using the SMARTCARTRIDGE container.

As SMARTCARTRIDGE containers are closed loading system containers, 317-19 must only be applied by operating the container valve mechanism on [SIMPAS] [precision] application equipment that has been designed for use with SMARTCARTRIDGE containers.

317-19 is to be applied from its SMARTCARTRIDGE refillable container at plant for the crops in Table 1 below in furrow as or as a directed application to soil following row closure.

Cover spray emulsions that may be exposed on the ends of the treated rows and turns and loading area.

Table 1

Crops	Target Diseases		Use Rate (fl. oz./1000 row feet)	Application Instructions
Cotton	<i>Pythium</i> Seedling Blight	<i>Pythium aphanidermatum</i>	2.0 - 4.0 (0.00625 – 0.0125 lb. AI/1000 row ft)	For use at-plant only
	<i>Rhizoctonia</i> Seedling blight	<i>Rhizoctonia solani</i>		
Corn (Including Field Corn, Field Corn grown for seed, Sweet Corn, Popcorn at planting)	<i>Rhizoctonia</i> root and stalk rot	<i>Rhizoctonia solani</i>	2.0 - 4.0 (0.00625 – 0.0125 lb. AI/1000 row ft)	For use at-plant only

Soybean	<i>Rhizoctonia</i> rot Southern blight	<i>Rhizoctonia solani</i> <i>Sclerotium rolfsii</i>	2.0 - 4.0 (0.00625 – 0.0125 lb. AI/1000 row ft)	For use at-plant only
Peanut	<i>Aspergillus</i> crown rot <i>Pythium</i> damping off White mold/Stem rot*	<i>Aspergillus Niger</i> <i>Pythium</i> spp. <i>Sclerotium rolfsii</i> *	2.0 - 4.0 (0.00625 – 0.0125 lb. AI/1000 row ft)	For use at-plant only *Suppression only

Table 2 Conversion Table showing Use Rate in Fluid Oz/acre

Row spacing (inches)	Application Rate (Fluid Oz/1000 row Ft.)										
	2	2.2	2.4	2.6	2.8	3	3.2	3.4	3.6	3.8	4
	Use Rate in Fluid Oz/acre										
30	34.8	38.3	41.8	45.3	48.8	52.3	55.8	59.2	62.7	66.2	69.7
32	32.7	35.9	39.2	42.5	45.7	49.0	52.3	55.5	58.8	62.1	65.3
34		33.8	36.9	40.0	43.1	46.1	49.2	52.3	55.3	58.4	61.5
36			34.8	37.8	40.7	43.6	46.5	49.4	52.3	55.2	58.1
38			33.0	35.8	38.5	41.3	44.0	46.8	49.5	52.3	55.0
40				34	36.6	39.2	41.8	44.4	47.0	49.7	52.3
42				32.4	34.8	37.3	39.8	42.3	44.8	47.3	49.8

STORAGE AND DISPOSAL

DO NOT contaminate water, food or feed by storage or disposal.

Refilling limitations are on the container.

Pesticide Storage:

Keep out of reach of children and animals. Store in original containers only. Store in a cool, dry place and avoid excess heat. Carefully open containers. After partial use, replace lids and close tightly. **DO NOT** put concentrate or dilute material into food or drink containers.

In case of spill, avoid contact, isolate area and keep out animals and unprotected persons. Confine spills. Call CHEMTREC: 1-800-424-9300.

To confine spill:

If liquid, dike surrounding area or absorb with sand, cat litter or commercial clay. If dry material, cover to prevent dispersal. Place damaged package in a holding container. Identify contents.

Pesticide Disposal:

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

Container Handling:

DO NOT DISCARD THE CONTAINER. DO NOT attempt to open or tamper with the container. All containers, either empty or partially filled, must be returned to original place of purchase. Cleaning before refilling is the responsibility of the refiller and must follow the refilling procedure developed by the registrant. Cleaning the container before final disposal is the responsibility of the person disposing of the container and must follow residue removal procedure developed by the registrant for container disposal.

Refillable container. Refill this container with 317-19 only. **DO NOT** reuse this container for any other purpose.

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.

THERE ARE NO EXPRESS WARRANTIES OTHER THAN THOSE WARRANTED BY THIS LABEL. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE MANUFACTURER NEITHER MAKES NOR INTENDS, NOR DOES IT AUTHORIZE ANY AGENT OR REPRESENTATIVE, TO MAKE ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, AND IT EXPRESSLY EXCLUDES AND DISCLAIMS ALL IMPLIED WARRANTIES OF MERCHANTABILITY OF FITNESS FOR A PARTICULAR PURPOSE, OR ANY WARRANTY OF QUALITY OR PERFORMANCE. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW THIS WARRANTY DOES NOT EXTEND TO, AND THE BUYER SHALL BE SOLELY RESPONSIBLE FOR, ANY AND ALL LOSS OR DAMAGE WHICH RESULTS FROM THE USE OF THIS PRODUCT IN ANY MANNER WHICH IS INCONSISTENT WITH THE LABEL DIRECTIONS, WARNINGS OR CAUTIONS.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BUYER'S EXCLUSIVE REMEDY AND MANUFACTURER'S OR SELLER'S EXCLUSIVE LIABILITY FOR ANY AND ALL CLAIMS, LOSSES, DAMAGES, OR INJURIES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER OR NOT BASED IN TORT, CONTRACT, NEGLIGENCE, STRICT LIABILITY IN TORT OR OTHERWISE, SHALL BE LIMITED, AT THE MANUFACTURER'S OPTION, TO REPLACEMENT OF, OR THE REPAYMENT OF THE PURCHASE PRICE FOR, THE QUANTITY OF PRODUCT WITH RESPECT TO WHICH DAMAGES ARE CLAIMED. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, MANUFACTURER OR SELLER SHALL NOT BE LIABLE FOR SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

© 2020 AMVAC Chemical Corporation is a wholly owned subsidiary of American Vanguard Corporation. All Rights Reserved. AMERICAN VANGUARD, AMVAC, [SIMPAS], SMARTCARTRIDGE, and their respective logos are trademarks owned by AMVAC Chemical Corporation. CHEMTREC is a service mark of the American Chemistry Council, Inc.

AMVAC Chemical Corporation
4695 MacArthur Court, Suite 1200
Newport Beach, CA 92660 U.S.A.