

PARAQUAT DICHLORIDE

Label Changes and
Implementation Timeline

A decorative graphic consisting of several parallel white lines of varying thicknesses, slanted diagonally from the bottom-left towards the top-right, set against a blue gradient background.

PARAQUAT DICHLORIDE

▶ Why the changes ?

- Paraquat Human Health Mitigation Decision¹
- Disproportionately high number of deaths resulting from the accidental ingestion of paraquat compared to similar pesticides.”
- Accidental ingestion incidents often result from paraquat being stored in beverage containers, contrary to clear label language prohibiting transfer into other containers.”
- 17 deaths—which included children—between 2000 and 2016 from accidental ingestion of paraquat.
- These were the result of paraquat being illegally transferred to beverage containers and mistakenly consumed.
- Based on the high number and severity of human health incidents associated with the pesticide paraquat dichloride, EPA determined risk mitigation measures were necessary for pesticide products containing paraquat to meet the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) standard for registration

¹ EPA-HQ-OPP-2011-0855-0112 – December 14, 2016

PARAQUAT DICHLORIDE – NEW LABELS

- ▶ Only Certified Applicators can “Use”
 - Definition of “Use”
 - Handling, transporting, or storing opened containers
 - Mixing / loading
 - Applying
 - Cleaning / repairing equipment
 - Handling and disposal of
 - ▶ Excess spray mix
 - ▶ Wash water
 - ▶ Rinsate
 - ▶ Contaminated containers

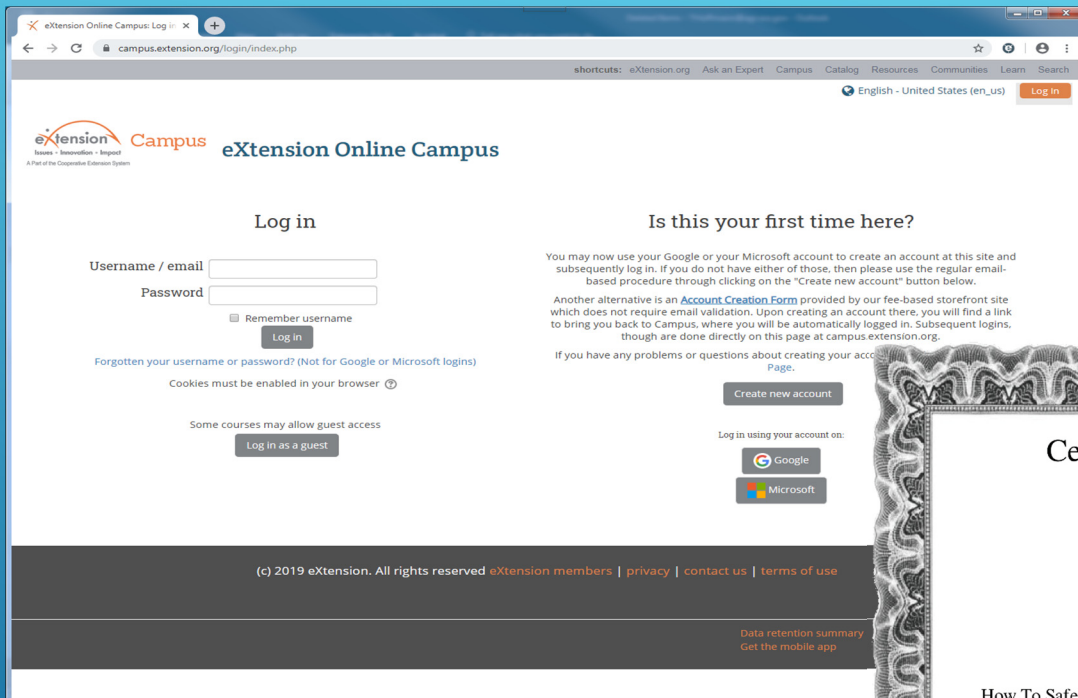


PARAQUAT DICHLORIDE – NEW LABELS

▶ Requirements to “Use”

- Only certified applicators can use
 - ▶ Non-certified applicators will not be allowed to use Paraquat, even under supervision of certified applicator.
 - Direct supervision is no longer an option.
- Must take Paraquat-specific training certification
 - ▶ Certification is on online via www.usparaquattraining.com.
 - ▶ Training must be completed every three years.
 - ▶ Only in English at this time.
 - ▶ Applicator should print certificate and keep on file. Does not need certificate to purchase. Does not need to have on person when making application. However, during a WSDA inspection, verification of certification will be requested.
 - ▶ The online course records are maintained by the National Pesticide Safety Education Center.

•ONLINE CERTIFICATION COURSE•



PARAQUAT DICHLORIDE – LABEL CHANGES

▶ **November 14, 2019**

- All paraquat products must be registered with new labeling & supplemental warning materials or registration will be cancelled.
 - No old-labeled product can be distributed by registrant after this date.
- Dealers other than the registrant may continue to sell and / or use existing stocks with the previously approved labeling until such stocks are exhausted.

▶ **November 30, 2020 (target date)**

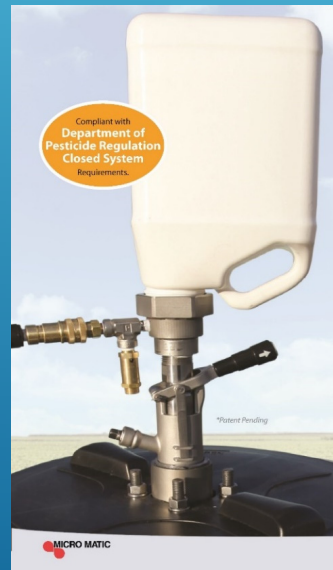
- Last day that registrants can sell or distribute products that do not comply with closed system requirement.

▶ **After November 2020**

- Closed transfer systems must be used with new labeled products.

PARAQUAT DICHLORIDE – NOV. 2020

- Come November 2020, the new labels will require closed-system packaging for non-bulk containers (less than 120 gallons)¹
- The paraquat registrants (except one) have formed a working group to develop a uniform closed system for smaller package sizes.
 - ▶ Current examples of closed systems for small containers.



¹ Bulk product is not subject to the closed system requirement.

A Product Package Safety Requirements (PPSR) Sticker will be affixed to all paraquat dichloride product containers.

The container cap will have a Warning Sticker on Cap. ↓



A Paraquat Dichloride Safety Counter Card is to be distributed with all paraquat products at time of purchase. →

Restricted Use Pesticide

Due to acute toxicity. To be used by certified applicators only – **NOT** to be used by uncertified persons working under the supervision of a certified applicator.

PARAQUAT DICHLORIDE GROUP 22 HERBICIDE

PARAQUAT CONCENTRATE

Defoliant and desiccant herbicide for the control of weeds and grasses and as a harvest aid.

EPA REG. NO. 82542-3

NEVER TRANSFER PARAQUAT CONCENTRATE INTO FOOD OR BEVERAGE CONTAINERS OR CONTAINERS NOT EXPLICITLY INTENDED FOR PARAQUAT CONCENTRATE.		NUNCA TRANSFERA PARAQUAT CONCENTRATE A RECIPIENTES PARA COMIDA O DE BEBIDAS O RECIPIENTES NO EXPLICITAMENTE PREVISTOS PARA PARAQUAT CONCENTRATE.
ONE SIP CAN KILL.		UN SORBO PUEDE CAUSAR LA MUERTE.
CONTACT WITH SKIN MAY RESULT IN POISONING.		EL CONTACTO CON LA PIEL PUEDE RESULTAR EN ENVENENAMIENTO.
EXPOSURE TO EYES MAY CAUSE SUBSTANTIAL EYE INJURY.		LA EXPOSICIÓN A LOS OJOS PUEDE CAUSAR LESIONES GRAVES A LOS OJOS.
PARAQUAT SHOULD ALWAYS BE STORED TIGHTLY CLOSED IN ORIGINAL CONTAINER, AND IN A LOCKED PLACE AWAY FROM CHILDREN AND ANIMALS.		EL PARAQUAT DEBE ALMACENARSE SIEMPRE CERRADO EN SU RECIPIENTE ORIGINAL, Y EN UN LUGAR CERRADO, ALEJADO DE NIÑOS Y ANIMALES.
READ ENTIRE LABEL PRIOR TO USING THIS PRODUCT.		LEA LA ETIQUETA COMPLETA ANTES DE USAR ESTE PRODUCTO.
DISREGARDING LABEL DIRECTIONS IS A VIOLATION OF FEDERAL LAW AND IS PUNISHABLE BY SUCH.		NO SEGUIR LAS INDICACIONES DE LA ETIQUETA REPRESENTA UNA INFRACCIÓN DE LA LEY FEDERAL Y ES PENADO COMO TAL.



Source Dynamics, LLC
12230 E Del Norte
Yuma, AZ 85367

Restricted Use Pesticide

Due to acute toxicity. For retail sale to and use only by certified applicators or persons under their direct supervision and only for those uses covered by the certified applicator's certification.

PARAQUAT CONCENTRATE

Defoliant and desiccant herbicide for the control of weeds and grasses and as a harvest aid.

NEVER PUT INTO FOOD, DRINK OR OTHER CONTAINERS.

IF SWALLOWED, TAKE IMMEDIATE ACTION AS PRESCRIBED IN FIRST AID.

SYMPTOMS ARE PROLONGED AND PAINFUL.

DO NOT USE OR STORE IN OR AROUND THE HOME.

DO NOT REMOVE CONTENTS EXCEPT FOR IMMEDIATE USE.

THE ODOR OF THIS PRODUCT IS FROM THE STENCHING AGENT WHICH HAS BEEN ADDED, NOT FROM PARAQUAT.

Active Ingredient:

paraquat dichloride (1,1'-dimethyl-4,4'-bipyridinium dichloride) 43.2%

Other Ingredients: 56.8%

Total: 100.0%

Contains 3.0 pounds paraquat cation per gallon as 4.14 pounds of dichloride salt per gallon.

Contains emetic and stench (odor).

KEEP OUT OF REACH OF CHILDREN

DANGER/PELIGRO



POISON

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.)



Manufactured for:
Source Dynamics, LLC
10039 E. Troon North Drive
Scottsdale, AZ 85262

EPA Reg. No.: 82542-3
EPA Est. No. 84662-CHN-001
Net Contents: 2.5 gal, 265 gal
PQT-01-R0113

Product of China

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OLD Label

Restricted Use Pesticide

Due to acute toxicity. To be used by certified applicators only – **NOT** to be used by uncertified persons working under the supervision of a certified applicator.

PARAQUAT DICHLORIDE | GROUP 22 | HERBICIDE

PARAQUAT CONCENTRATE

Defoliant and desiccant herbicide for the control of weeds and grasses and as a harvest aid.

Active Ingredient:

Paraquat dichloride (1,1'-dimethyl-4,4'-bipyridinium dichloride) 43.2%

Other Ingredients: 56.8%

Total: 100.0%

Contains 3.0 pounds paraquat cation per gallon as 4.14 pounds of paraquat dichloride salt per gallon.

Contains emetic and stenching agent(odor).

KEEP OUT OF REACH OF CHILDREN/MANTENER FUERA DEL
ALCANCE DE LOS NIÑOS

DANGER/PELIGRO



POISON/VENENO

READ ENTIRE LABEL PRIOR TO USING THIS PRODUCT

- CORROSIVO TO SKIN AND EYES
- NEVER TRANSFER THIS PRODUCT INTO FOOD OR BEVERAGE CONTAINERS OR CONTAINERS NOT EXPLICITLY INTENDED FOR PESTICIDES.
- READ ENTIRE LABEL PRIOR TO USING THIS PRODUCT.
- IN THE CASE OF AN ACCIDENT, SEEK IMMEDIATE MEDICAL ATTENTION. SYMPTOMS ARE PROLONGED, PAINFUL, AND CAN BE FATAL.

LEA TODA LA ETIQUETA ANTES DE UTILIZAR ESTE PRODUCTO

- CORROSIVO PARA LA PIEL Y LOS OJOS.
- NUNCA TRANSFERIRA ESTE PRODUCTO A RECIPIENTES PARA COMIDA O DE BEBIDAS O RECIPIENTES NO EXPLICITAMENTE PREVISTOS PARA PLAGUICIDAS.
- LEA LA ETIQUETA COMPLETA ANTES DE USAR ESTE PRODUCTO.
- EN CASO DE ACCIDENTE, BUSQUE ATENCIÓN MÉDICA INMEDIATA. LOS SÍNTOMAS SON PROLONGADOS, DOLOROSOS, Y PUEDEN SER MORTALES.

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.)

Manufactured for:
Source Dynamics, LLC
12230 E Del Norte
Yuma, AZ 85367



EPA Reg. No.: 82542-3
EPA Est. No.
Net Contents:
01-PQT-R111418

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NEW Label

FIRST AID Contains Paraquat, a Bipyridylum Herbicide. Have the product container or label with you when calling a poison control center or doctor, or going for treatment.
IF SWALLOWED: <ul style="list-style-type: none">• Call a poison control center or doctor IMMEDIATELY for treatment advice.• SPEED IS ESSENTIAL. Immediate medical attention is required. If available, give an adsorbent such as activated charcoal, bentonite or Fuller's Earth.• 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.
IF INHALED: <ul style="list-style-type: none">• Move person to fresh air.• The odor of this product is from the stenching agent, which has been added, not from the paraquat.• If person is not breathing, call 911 or an ambulance.• Call a poison control center or doctor for treatment advice.
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 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 15-20 minutes.• Call a poison control center or doctor for treatment advice.
NOTE TO PHYSICIAN: Administer either activated charcoal (100 grams for adults or 2g/kg body weight in children) or Fuller's Earth (15% solution; 1 liter for adults or 15ml/kg body weight in children). NOTE: The use of gastric lavage without administration of an adsorbent has not shown any clinical benefit. Do not use supplemental oxygen. Eye splashes from concentrated material should be treated by an eye specialist after initial treatment. With the possibility of late onset corneal ulceration, it is advised that patients with paraquat eye injuries are reviewed by an eye specialist the day after first presentation. Use treatment that is appropriate for chemical burns. Intact skin is an effective barrier to paraquat; however, contact with irritated or cut skin or repeated contact with intact skin may result in poisoning.
HOT LINE NUMBERS: Have the product container or label with you when calling a poison control center or doctor, or when going for treatment. Call the National Poison Control Center at 1-800-222-1222 for emergency medical treatment information. For a transportation emergency, please contact CHEMTREC at 1-800-424-9300.

PARAQUAT DICHLORIDE

- ▶ Additional NEW label language:
 - “Do not use this product in residential or public recreational settings (e.g. homes, home gardens, schools, recreational parks, golf courses, and/or playgrounds).”
- ▶ Old-labeled paraquat:

- **Growers that currently have the old-labeled paraquat can use up their old inventory and are not required to complete the online training.**
- **However, if you mix old paraquat product with new-labeled paraquat product, you will be required to follow the NEW label restrictions and obtain the online certification.**