Summary of Paraquat Changes for State Reg

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Why are changes coming to paraquat products?

- Currently undergoing registration review (15-year cycle)
 EPA published its "Paraquat Human Health Mitigation Decision" in December 2016.
- In it, EPA stated: "...there is a disproportionately high number of deaths resulting from the accidental ingestion of paraquat compared to similar pesticides. The accidental ingestion incidents often result from paraquat being stored in beverage containers, contrary to clear label language prohibiting transfer into other containers [emphasis added]."



Risk-Mitigation Measures for Paraquat

- Label changes
- Supplemental warning materials
- Targeted training materials for paraquat users
- Closed-system packaging for all non-bulk (< 120gallon) end-use product containers

Source: Paraquat Dichloride Human Health Mitigation Decision, December 15, 2016



Paraquat Label Changes

>Additions to paraquat labels included:

- Statements highlighting paraquat toxicity
- Statement restricting the use of all paraquat products to certified applicators only (i.e., prohibiting use by uncertified persons working under the supervision of a certified applicator)
- EPA-approved paraquat training program statement with link to training



Paraquat Supplemental Warning Materials

- Required supplemental warning materials had to be in English, Spanish, and pictogram format.
- > These include:
 - Product Package Safety Requirements stickers on each paraquat container on the side opposite the label
 - Counter cards with warning information for people who purchase paraquat
 - A cap sticker with a warning and





Product Package Safety Requirements sticker

Product Package Safety Requirements

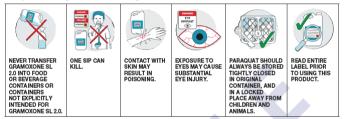
NEVER TRANSFER THIS PRODUCT INTO FOOD OR BEVERAGE CONTAINERS OR CONTAINERS NOT EXPLICITLY INTENDED FOR PESTICIDES.	NUNCA TRANSFIERA ESTE PRODUCTO A RECIPIENTES PARA COMIDA O DE BEBIDAS O RECIPIENTES NO EXPLÍCITAMENTE PREVISTOS PARA PLAGUICIDAS	
ONE SIP CAN KILL.	UN SORBO PUEDE CAUSAR LA MUERTE.	
CONTACT WITH SKIN MAY RESULT IN POISONING.	EL CONTACTO CON LA PIEL PUEDE CAUSAR ENVENENAMIENTO.	
EXPOSURE TO EYES MAY CAUSE SUBSTANTIAL EYE INJURY.	EXPOSICIÓN A LOS OJOS PUEDE CAUSAR LESIONES SUSTANCIALES EN 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.	



Counter Card

Gramoxone SL 2.0 contains the active ingredient paraguat dichloride (paraguat). People have died from accidentally drinking paraguat containing products that had been transferred into a beverage container, such as a water bottle or other drink bottle. It is also highly corrosive and can cause severe skin and eve damage including 3rd degree burns. Inhalation exposure may result in serious respiratory effects. FATAL if swallowed or inhaled.

Proper storage and handling



DISREGARDING LABEL DIRECTIONS IS A VIOLATION OF FEDERAL LAW AND IS PUNISHABLE AS SUCH.

Requirements for Use

- TO PREVENT SEVERE INJURY OR DEATH, FOLLOW ALL LABEL RQUIREMENTS.
 TO BE USED BY CERTIFIED APPLICATORS ONLY <u>NOT</u> TO BE USED BY NONCERTIFIED PERSONS WORKING UNDER THE SUPERVISION OF A CERTIFIED APPLICATOR.
- Applicators and other handlers (other than Mixers and Loaders) must wear long-sleeve shirt and long pants, shoes plus socks, protective eyewear, chemical-resistant gloves (made of: barrier laminate, butyl rubber ≥ 14 mils, nitrile rubber ≥ 14 mils, neoprene rubber ≥ 14 mils, natural rubber ≥ 14 mils, polyethylene, polyvinyl chloride (PVC) ≥ 14 mils, or Vitor® ≥ 14 mils), and a Dust/Mist NIOSH-approved respirator with any N, R, P, or HE filter.
- Mixers and Loaders must wear long-sleeve shirt and long pants, shoes plus socks, chemical-resistant gloves (made of: barrier laminate, butyl rubber ≥ 14 mils, nitrile rubber ≥ 14 mils, neoprene rubber ≥ 14 mils, natural rubber ≥ 14 mils, polyethylene, polyvinyl chloride (PVC) ≥ 14 mils, or Viton® ≥ 14 mils), chemical-resistant apron, face shield, and a Dust/ Mist NIOSH-approved respirator with any N, R, P, or HE filter.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing
- Remove and wash contaminated clothing before wearing again.
- Discard clothing and other absorbent materials that have been drenched or heavily contaminated with paraquat. Do not reuse them. Follow the manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washing PPE exists, use detergent and hot water.
- Keep and wash PPE separately from other laundry.
- Refer to the product label for more information.
- DO NOT tank mix this product with any pest control products other than those listed on the Gramoxone SL 2.0 label. Gramoxone SL 2.0 is compatible with the tank mix partners listed on this label.

First Aid

- · If swallowed: SPEED IS ESSENTIAL. Immediate medical attention is required. Administer either activated charcoal (100g 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). DO NOT USE SUPPLEMENTAL OXYGEN. Call a poison control center or doctor IMMEDIATELY for treatment advice. Do not give anything by mouth to an unconscious person.
- If inhaled: Move person to fresh air. The odor of this product is from the alerting 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 further treatment advice.
- If in eyes: Hold eye open and rinse slowly and gently with clean 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: Take off contaminated clothing, IMMEDIATELY wash the affected area with soap and water and rinse for 15-20 minutes. Prolonged contact will cause severe irritation. Contact with irritated skin or a cut or repeated contact with intact skin may result in poisoning. GET MEDICAL ATTENTION. Call a poison control center or doctor for treatment advice
- Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

Please refer to the product label for further information.

For 24-hour medical emergency assistance (human or animal) or chemical emergency assistance (spill, leak, fire or accident) call 1-800-888-8372.

For non-emergency call 1-800-334-9481.

Gramoxone SL 2.0 contiene el ingrediente activo dicloruro de paraquat (paraquat). Hay personas que han muerto por beber accidentalmente productos que contienen paraquat que se habían transferido a un recipiente de bebidas, como una botella de agua u otra botella de bebida. También es altamente corrosivo y puede causar daños graves en la piel y los ojos, incluyendo guernaduras de tercer grado. La exposición por inhalación puede provocar efectos respiratorios graves. FATAL si se ingiere o inhala.

Almacenamiento y manejo adecuados



NO SEGUIR LAS INDICACIONES DE LA ETIQUETA REPRESENTA UNA INFRACCIÓN DE LA LEY FEDERAL Y ES PENADO COMO TAL.

Requisitos de uso

- PARA EVITAR LESIONES GRAVES O LA MUERTE, SIGA TODOS LOS REQUERIMIENTOS DE LA ETIQUETA. PARA SER UTILIZADO SOLO POR APLICADORES CERTIFICADOS: NO DEBE SER UTILIZADO POR PERSONAS NO CERTIFICADAS QUE TRABAJAN BAJO LA SUPERVISIÓN DE UN APLICADOR CERTIFICADO.
- Los aplicadores y otras personas que lo manipulen (que no sean mezcladores y cargadores) deben usar camisa de manga larga Los epucatores y ourse personas que iomaniputen (que no sean mezoacores y cargadores) decen usár câmisa de manga larga y pantalones largos, zapatos con calocitines, galas protectoras, quantes resistentes a productos químicos (hechos de barera laminada, goma de butio ≥ 14 milésimas de pulgada, goma de nitrilo ≥ 14 milésimas de pulgada, goma natural ≥ 14 milésimas de pulgada, goma de hitrilo ≥ 14 milésimas de pulgada, pointentes de pulgada, pointentes de pulgada, goma de nopreno ≥ 14 milésimas de pulgada, goma tentral ≥ 14 milésimas de pulgada, goma de nitrilo ≥ 14 milésimas de pulgada, goma de bution (2 PC) ≥ 14 milésimas de pulgada, goma de pulgada, goma de pulgada, goma de pulgada, goma natural ≥ 14 milésimas de pulgada, pointentes de pulgada, pointentes de pulgada o Vitoro® ≥ 14 milésimas de pulgada, pointe (PC) ≥ 14 milésimas de pulgada, pointentes de pulgada, pointes de pulgada, pointe (PC) ≥ 14 milésimas de pulgada, pointes (PC) ≥ 14 milésimas de
- Los mæcladores y cargadores deben utilizar camisa de manga larga y pantalones largos, zapatos con calcetines, guantes resistentes a productos químicos (hechos de: barrera laminada, goma de butilo ≥ 14 milésimas de pulgada, goma de nitrilo ≥ 14 milésimas de s digada, gorque sono ≥ 14 milésimas de pulgada, goma natural ≥ 14 milésimas de pulgada, polietileno, cioruro de polivinilo (PVC) ≥ 14 milésimas de pulgada o Vitono ≥ 14 milésimas de pulgada), un delantal resistente a productos químicos, protector facial y un respirador aprobado por NIOSH para poloviniebla con cualquier fittro N, R, P o HE.
- Quítese la ropa o equipo de protección personal inmediatamente si se impregna de pesticida. Luego lávese bien y póngase ropa limpia. Retire y lave la ropa contaminada antes de volver a usarla.
- Deseche la ropa y otros materiales absorbentes empanados o fuertemente contaminados con paraguat. No los reutilice. Siga las instrucciones del fabricante para limpiar y mantener el EPP. Si no existen tales instrucciones para lavar el EPP, use detergente y agua caliente.
- Mantenga y lave el EPP por separado de la otra ropa.
- Consulte la etiqueta del producto para más información.
- NO mezcle en tanque este producto con ningún otro producto para el control de plagas que no esté incluido en la etiqueta Gramoxone SL 2.0. Gramoxone SL 2.0 es compatible con los socios de mezcla de tanque listados en esta etiqueta.

Primeros auxilios

- Si se ingiere: LA RAPIDEZ ES ESENCIAL. Se requiere atención médica inmediata. Administre carbón activado (100 g para adultos o 2 g/kg de peso corporal en niños) o Fuller's Earth (solución al 15 %, 1 litro para adultos o 15 m/kg de peso corporal en niños). NO USE OXIGENO COMPLEMENTARIO, Llame a un centro de control de envenenamiento o a un médico INMEDIATAMENTE para recibir asesoramiento sobre el tratamiento. No administre nada por vía oral a una persona inconsciente.
- Si se inhala: Mueva a la persona al aire fresco. El olor de este producto proviene del agente de alerta, que se ha agregado, no del paraquat. Si la persona no respira, llame al 911 o a una ambulancia. Para recibir instrucciones adicionales respecto al tratamiento a seguir, llame a un médico o a un centro de control de envenenamiento.
- Si entra en contacto con los ojos: Mantenga los ojos abiertos y enjuague lenta y suavemente con agua limpia durante 15-20 minutos. Si el afectado usa lentes de contacto, espere cinco minutos antes de retirarlos; entonces, continúe enjuagando el ojo. Llame a un médico o a un centro de control de envenenamiento para recibir instrucciones respecto al tratamiento a seguir.
- Si entra en contacto con la piel o la ropa: Qitese la ropa contaminada. Lave INMEDIATAMENTE la zona afectada con aqua y iabón y enjuague durante 15-20 minutos. El contacto prolongado causará irritación grave. El contacto con la piel irritada o un corte o contacto repetido con la piel intacta puede provocar intoxicación. OBTENGA ATENCIÓN MÉDICA. Llame a un médico o a un centro de control de envenenamiento para recibir instrucciones respecto al tratamiento a seguir. Tenga a la mano el envase del producto o su etiqueta cuando llame al centro de control de envenenamiento, al médico o al buscar
- tratamiento.

Consulte la etiqueta del producto para obtener más información.

Para asistencia de emergencia médica las 24 horas (humanos o animales) o asistencia de emergencia química (derrames, fugas, incendios o accidentes) llame al 1-800-888-8372.

Para casos que no son de emergencia llame al 1-800-334-9481.

SCP 1431A-L12 1118



Product "Cap" Sticker (not necessarily on the cap)





Paraquat Training Program

- Registrants developed the paraquat training program together (with Syngenta taking the lead).
- The training program will be available via <u>https://www.epa.gov/pesticide-worker-safety/paraquat-dichloride-training-certified-applicators</u> on all end-use paraquat product labels in the new "Certified Applicator Training" section.
- A direct link to the training (<u>www.usparaquattraining.com</u>) will be available on Syngenta's website.
- Only <u>certified applicators</u> who successfully complete an EPAapproved paraquat training program will be able to legally use paraquat.
- All paraquat applicators will be required to take the training once the training link is available on the label. Training must be successfully completed every three years.



Timeline for Paraquat Label Changes

- Amended Gramoxone SL 2.0 label was stamped by EPA on November 14, 2018.
- Syngenta will be prohibited from the sale or distribution of paraquat products with labeling inconsistent with the *Paraquat Dichloride Human Health Mitigation Decision* as of November 14, 2019.
- Persons other than the registrant may continue to sell and/or use existing stocks of products with the previously approved labeling until such stocks are exhausted, provided that such use is consistent with the terms of the previously approved labeling.

Source: Paraquat Dichloride Human Health Mitigation Decision, December 15, 2016 (Amended January 12, 2017):

https://www.regulations.gov/document?D=EPA-HQ-OPP-2011-0855-0115



What about state paraquat training programs?

In cases where state-based certified applicator training programs adequately address the required aspects of an EPA-approved paraquat training program, they may be determined to be equivalent training materials.



Closed-System Requirement

- Registrants have until March 30, 2019, to submit applications for label amendments and/or new product registrations to comply with the closed-system requirement.
- The closed-system requirement only applies to non-bulk end-use paraquat products.
- 12 months from the stamped date of the above submissions (sometime in 2020) is the last day for registrants to sell or distribute paraquat products that do not comply with the closedsystem requirement.
- Persons other than registrants may continue to sell and/or use existing stocks of paraquat products with the previously approved labeling until such stocks are exhausted, provided that such use is consistent with the terms of the previously approved labeling.



EPA will grant research exemptions from the closedsystem requirement and the 'certified-applicator only' requirement.

- EPA recognizes that paraquat is widely used in agricultural research as a standard burndown and desiccant treatment to which other herbicides and desiccants are compared.
- EPA will consider, on a case-by-case basis, applications for products which are specific for research use.
- These products should contain appropriate labeling, be of an appropriate size, and should include registrant assurance of controlled distribution.



Hand-held and Backpack Equipment

- EPA is permitting the continued use of hand-held and backpack application equipment, so long as they comply with EPA-approved closed-system technology.
- Paraquat products intended for hand-held and backpack equipment should contain an indicator dye to aid in early detection of paraquat leaks and spills.
- EPA is aware that there are no paraquat products currently available that meet these criteria, so EPA is allowing a twoyear period for registrants to develop products that would meet these criteria.

