

# Paraquat use in Vermont

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- Registered Products
- Pesticide Use and Sales Reports
- Reports of Incidents
- Risk Reduction Measures
- Regulatory reviews by EPA and California

# Products Registered in Vermont

<b>Product Name</b>	<b>EPA Reg. No.</b>	<b>Registration Status</b>	<b>Company</b>
<a href="#"><u>Gramoxone SL 3.0</u></a>	100-1652	Registered	Syngenta Crop Protection Inc
<a href="#"><u>Crop Protect Direct Paraquat 3SL</u></a>	101458-2	Registered	Jabco LLC
<a href="#"><u>Omni Brand Paraquat</u></a>	5905-637	Registered	Helena Agri Enterprises LLC dba Helena Chemical Co
<a href="#"><u>Helmquat 3SL</u></a>	74530-48	Registered	Helm Agro Us Inc
<a href="#"><u>Paraquat Concentrate</u></a>	82542-3	Registered	Source Dynamics Llc
<a href="#"><u>Paraquat 43.2% SL</u></a>	85678-58	Registered	RedEagle International LLC
<a href="#"><u>Paraquat 3SL</u></a>	87290-35	Registered	Generic Crop Science LLC c/o Willowood LLC
<a href="#"><u>Axill Solutions Paraquat 3SL</u></a>	93809-4	Registered	Axill Solutions LLC
Paraq	34704-1117	D2 2024	Loveland Product Inc
Parazone 3SL Herbicide	5481-615	D2 2025	Amyvac Chemical

## Commercial/Non-commercial/government applicator Use Reported

<b>YEAR</b>	<b>Amount</b>	<b>County</b>
<b>2019</b>	No Reported Use	
<b>2020</b>	18 Gallons	Windham County
<b>2021</b>	No Reported Use	
<b>2022</b>	250 Gallons	Addison County
<b>2023</b>	No Reported Use	
<b>2024</b>	No Reported Use	

<b>2023 Reported Sales</b>	
<b>County</b>	<b>Gallons</b>
<b>Orange</b>	2.5
<b>Windham</b>	2
<b>Windsor</b>	10
<b>total</b>	14.5

<b>2024 Reported Sales</b>	
<b>County</b>	<b>Gallons</b>
<b>Orange</b>	2.5
<b>Windsor</b>	12.5
<b>Chittenden</b>	5
<b>Addison</b>	45
<b>Bennington</b>	40
<b>Franklin</b>	2.5
<b>total</b>	107.5

No complaints or investigations  
involving paraquat since 2016

## Risk Reduction Measures

- Certified Applicators Only
- Required additional training
- No residential area or recreational area uses
- Increased PPE
- Closed System Transfer

## Applicators:

- **When applying to 80 acres or less in a 24-hour period, if not using an enclosed cab**, applicators must wear a minimum of a NIOSH-approved particulate filtering facepiece respirator with any R or P filter; OR a NIOSH-approved elastomeric particulate respirator with any R or P filter; OR a NIOSH-approved powered air purifying respirator with HE filters.

- **When applying to more than 80 acres in a 24-hour period, applications must be made using an enclosed cab.** Enclosed cabs must have a nonporous barrier that totally surrounds occupant and prevents contact with pesticides outside of the cab.

## Mixers and Loaders must wear:

- Long-sleeve shirt and long pants
- Shoes plus socks
- Waterproof gloves, except wear chemical-resistant gloves (Barrier Laminate, Nitrile Rubber  $\geq$  14 mils, Neoprene Rubber  $\geq$  14 mils, or Viton™  $\geq$  14 mils gloves) when mixed with oil
- Wear a minimum of a NIOSH-approved particulate filtering facepiece respirator with any R or P filter; OR a NIOSH-approved elastomeric particulate respirator with any R or P filter; OR a NIOSH-approved powered air purifying respirator with HE filters.
- Chemical-resistant apron
- Face shield



# Risk Reduction Measures

## Closed System Transfer



# Recent Regulatory Reviews

EPA –

**August 2021** - Paraquat Dichloride Interim Registration Review Decision <https://www.regulations.gov/document/EPA-HQ-OPP-2011-0855-0307>

**October 2025** -Volatilization potential of paraquat in field use situations (EPA-HQ-OPP-2011-0855-0554)  
: <https://www.epa.gov/pesticides/epa-updates-review-potential-paraquat-volatilization-and-plans-request-additional-data>

California Department of Pesticide Regulation

**December 2024** - *Preliminary Report of the Potential Human Health Outcomes Resulting from Paraquat Exposure.*

<https://www.cdpr.ca.gov/active-ingredient/paraquat-dichloride/>