

Closed-system handling of clodinafop-propargyl products

Important changes are coming to how all products containing clodinafop-propargyl (including Horizon® NG, Traxos® and TraxosTwo herbicides and other brands) can be applied. As of September 2020, the Pest Management Regulatory Agency (PMRA) requires the use of closed transfer systems for clodinafop-propargyl products if mixing and loading more than 15 kg a.i. in one day.

This closed-system transfer guide focuses on the requirements for mixing and loading of Horizon NG from 121.1 L drums. For detailed information about other changes affecting how clodinafop-propargyl products can be used under the new PMRA requirements, please refer to the current product labels available on [Syngenta.ca](https://www.syngenta.ca).

What's staying the same?

Due to the lower amounts of clodinafop-propargyl in Traxos, TraxosTwo and cases of Horizon NG, users are not expected to handle more than 15 kg a.i. per day when using these products as directed. As a result, no change to closed transfer packaging is required provided workers do not exceed the threshold of 15 kg a.i. per day.

What's changing?

Direct transfer of Horizon NG from 121.1 L drums to the chemical handler and/or sprayer tank will require dry poppet connections. Equipping your spray operation with dry poppet connections from the drum to the tank meets the closed-system transfer requirement.

Utilizing dry poppet adapters preserves the flexibility to use transfer hoses for multiple products.

Dry poppet valves are known by many names and are produced by multiple manufacturers. Different makes and models intended for pesticide use are available.

The Syngenta logo is displayed in white on a teal background. It features the word "syngenta" in a lowercase, sans-serif font, with a registered trademark symbol (®) to the upper right of the "a". A stylized leaf icon is positioned above the "y".

Closed-system transfer of Horizon NG from drum to sprayer

Every 121.1 L drum of Horizon NG is to be discharged through the factory-equipped male dry poppet dip tube (closed fitting) found on the top discharge of the Horizon NG drums.

Figure 1. Current male dry poppet dip tube (closed fitting) found on the top discharge of the Horizon NG drums.



The drum end of your transfer hose must be equipped with a female dry poppet valve as in Figure 2.

Figure 2. Current female dry poppet to cam lever adapter.



Female dry poppet valve

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Male end of a cam lever

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Female dry poppet to male cam lever adapter

The outlet end of your transfer hose should be equipped with a female dry poppet valve (Figure 2).

Many chemical handling systems and sprayers are factory fitted with cam lever connections. In this case, a dry poppet to cam lever adapter is required if you wish to pump Horizon NG into the sprayer through a cam lever connection. A female cam lever adapter is shown in Figure 3.

The intake port of your chemical tank can alternatively be fitted directly with a male dry poppet valve.

If your chemical tank does not have an intake port, it must be fitted with one. A flanged and gasketed bulkhead fitting with a male dry poppet valve inlet (Figure 4) is acceptable.

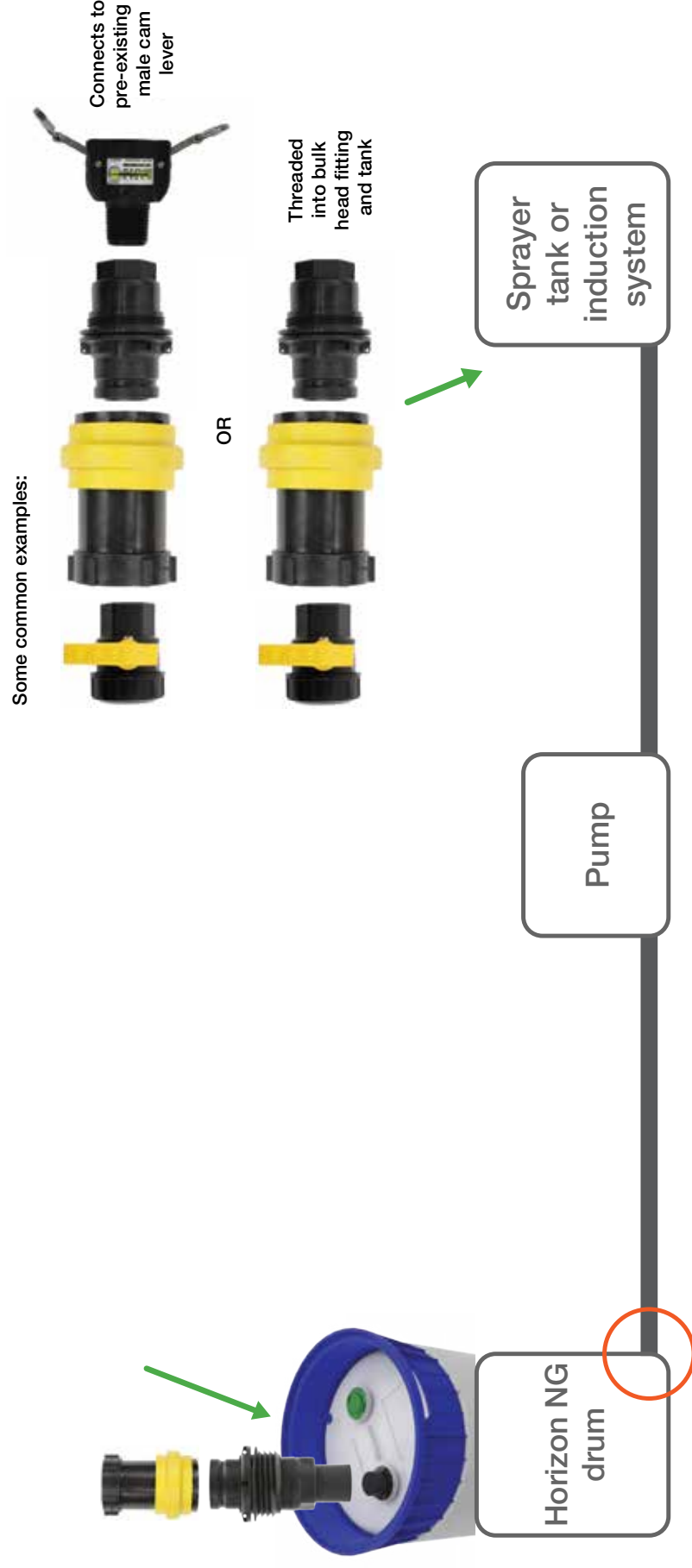


Figure 3. A male dry poppet valve to female cam lever adapter



Figure 4. Male dry poppet valve

Here's an example of a closed system from the Horizon NG drum to the sprayer tank.



Please note, connections will vary depending on your individual set up.