

Resicore[®] XL herbicide is a (ZC) formulation which is a mixed formulation of CS and SC and is a stable aqueous suspension of microcapsules and solid fine particles, each of which contains one or more active ingredients. The formulation is intended for dilution into water prior to spray application.

Advantages of a ZC formulation

- Improved handling over wide temperature range
- Provides crop safety (through microencapsulation)
- Good bio-efficacy (through the suspended active ingredient) to a pre-mix with multiple modes of action

Application recommendations

(pending regulatory approval)

Rate: 1.4 - 3.25 qts/A

Spray volume:

- **Pre:** 10 - 80 gal/A
- **Post:** 10 - 30 gal/A

Appearance and dispersion after pouring Resicore XL in water



Figure 1: Resicore XL (formulation)



Figure 2: Resicore XL dilution in water without agitation



Figure 3: Resicore XL dilution in water after agitation

Resicore XL (figure 1) rapidly forms dispersed particles when added to water without agitation (figure 2). Mild agitation is required to form a stable and uniform dispersion (figure 3). Unused Resicore XL should be stored in its original package with the cap tightly closed. Resicore XL should remain free-flowing in the package during storage.

General Mixing Steps - Water as Carrier

1. Read Labels

Read all labels carefully. Contact manufacturers if you have any questions

2. Shake Liquids

Shake all containers with liquids before adding to ensure thorough mixing the formulation

3. Add Water

Fill tank with 50% of the required water volume

4. Agitate

Start agitation when the tank is half full — before adding the first product. Continue agitation through the mixing process

5. Add in Order

Add products to the tank based on their formulation type

6. Wait & Check

Wait 3–5 minutes after adding dry formulations before liquid formulation additions

7. Add Water

Add remaining water to the tank

8. Measure pH

Measure the pH and hardness of the solution

Maintain constant agitation during tank-mix preparation/application and allow enough time for each product to fully disperse prior to adding the next product. If water is cold, products will require additional time to disperse.



Liquid Carrier

1. Tank half-full with water or liquid fertilizer* carrier (28%, 32% N) to start

*If using fertilizer as a carrier, ensure all tank-mix partners are compatible in that fertilizer.

2. Begin agitation

3. Pre-slurry Water-Soluble Packets (WSP)

With UAN: pre-slurry WSP in water prior to addition to tank

4. Wettable Powders (WP)/Dry Flowables (WDG, WG)

- » Accent® Q herbicide
- » Basis® Blend herbicide
- » Realm® Q herbicide
- » Resolve® Q herbicide
- » Revulin® Q herbicide
- » Steadfast® Q herbicide

With UAN: pre-slurry Wettable Powders/Dry Flowables in water prior to addition to tank

5. Water Conditioners

- » AMS
- » AMS solution

6. Compatibility agent (if needed)

7. Nitrogen stabilizer

- » Instinct® nitrogen stabilizer

8. Suspension Concentrate (SC) or liquid flowables

- » Cinch® ATZ herbicide brands
- » Liquid atrazine (use a compatibility agent if needed, prior to the addition of liquid atrazine)

9. Capsule Suspension (CS), Suspension Emulsion (SE) or ZC

- » FulTime® NXT herbicide (CS)
- » Keystone® NXT herbicide brands (SE)
- » Resicore® herbicide (SE)
- » SureStart® II herbicide (SE)
- » Resicore XL (ZC)

10. Emulsifiable Concentrate (EC)

- » Lorsban®-4E insecticide
- » Surpass® NXT herbicide

11. Soluble Liquids (SL)

- » Abundit® Edge (glyphosate)
- » Durango® DMA® herbicide
- » Enlist Duo® herbicide*
- » Enlist One® herbicide*

When mixing with Enlist One, do not pour glufosinate ammonium products or glyphosate potassium into the tank at the same time as Enlist One. Add products one at a time, using sufficient water and allowing enough time for recirculation between additions of each separate product.

- » Glyphosate products
- » Gramoxone Extra herbicide

*If using paraquat containing product, add (NIS) to tank before adding paraquat product.

12. COC, NIS, MSO, other adjuvants

13. Ammonium Thiosulfate (ATS)

14. Micronutrients (dilute 1:1 with water)

15. Top off with liquid carrier

* Find qualified tank-mix products for Enlist herbicides at EnlistTankMix.com. Nitrogen carriers cannot be used with Enlist herbicides.

Spray tank and equipment cleaning recommendations

After making an application of Resicore XL herbicide, the entire spray system, including tank, pump, lines and spray boom, should be completely and immediately drained.

1. Drain any remaining spray mixture from the application equipment, then wash out tank, boom and hoses with clean water. Drain again.
2. Hose down the interior surfaces of the tank while filling the tank 1/2 full of water.
3. Add commercial tank cleaner, such as household ammonia, at manufacturer's recommended rate. Recirculate for 10 - 20 minutes and spray out the mixture through the boom.
4. Remove all spray nozzles and screens and clean separately.

5. If spray equipment will be used for pesticide application to crops sensitive to Resicore XL, repeat steps 1 through 3. Additional steps may also be required to remove all traces of Resicore XL including replacing hoses or other fittings that may contain adsorbed actives.
6. Thoroughly clean exterior surfaces of spray equipment.

Note: Rinsate may be disposed of onsite according to label use directions or at an approved waste disposal facility. Reduced results may occur if water containing soil is used, such as visibly muddy water or water from ponds and ditches that is not clear.

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Resicore XL has not yet received regulatory approvals; approvals are pending. The information presented here is not an offer for sale.
Cinch® ATZ, FulTime®, Keystone® NXT and Lorsban®-4E are Restricted Use Pesticides.

This reference guide is not intended as a substitute for the product label for the product(s) referenced herein. Product labels for the above product(s) contain important precautions, directions for use, and product warranty and liability limitations, which must be read before using the product(s). Applicators must be in possession of the product label(s) at the time of application. Always read and follow all label direction and precautions for use when using any pesticide alone or in tank-mix combinations.

Not all products are registered for sale or use in all states. Contact your state pesticide regulatory agency to determine if a product is registered for sale or use in your state. FulTime NXT, Keystone NXT, Resicore® and SureStart® II are not available for sale, distribution or use in Nassau and Suffolk counties in the state of New York. Contact your state pesticide regulatory agency to determine if a product is registered for sale or use in your state. In Mississippi, refer to the Lorsban-4E product label for use restrictions on certain crops. Enlist One and Enlist Duo herbicides are the only 2,4-D products authorized for use in Enlist crops.

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