

# Zidua<sup>®</sup> Herbicide Mixing Instructions

## Best-Use Practices

**Properly dispersing Zidua herbicide in the spray mix is required to obtain maximum weed control efficacy.** To ensure compatibility and efficacy of mixtures with Zidua herbicide, please follow these steps.

1. **Read labels for mixing directions.** Products, like Zidua herbicide, must be added in the proper sequence. If there is any doubt, the general rule of thumb is to add the least soluble active ingredient first, and proceed to the most soluble ingredient(s).

### *Standard mixing order*

- a. Water (begin agitation)
  - b. Products in PVA bags
  - c. Water soluble additives
  - d. Water dispersible products (DG, WP, SC's) (including Zidua herbicide)
  - e. Water soluble products
  - f. Emulsifiable products (ex. EC, COC's)
  - g. Water soluble additives (ex. AMS, Fertilizers)
  - h. Remaining water
2. **Zidua herbicide is designed to be applied in water.** Pre-mix or slurry Zidua herbicide in a minimum of 4 gallons of water per container of Zidua herbicide (80 ounces) either in the sprayer induction system, or in an external container.

If done in the spray inductor system, **DO NOT** pour Zidua herbicide straight into the sprayer inductor system without minimal water and constant agitation. If done in an external container (i.e. 5 gallon bucket), pour the Zidua herbicide slowly while constantly stirring the contents in water until they are completely dissolved. Whether in an inductor or external container, it is most critical to pour contents of the Zidua herbicide container into the water slowly so as not to encourage clumping of particles. In addition, the temperature of water may impact dispersal rate of herbicides such as Zidua herbicide. This rate of product dispersion in water will increase with increasing water temperature. **DO NOT** attempt to initially dissolve Zidua herbicide in liquid fertilizer only water.

3. **Agitate constantly. DO NOT** allow spray loads containing Zidua herbicide to sit without agitation. If settling out occurs, resuspension may be difficult. It is preferred to only mix that amount of Zidua herbicide which you can spray immediately.

4. **Not all tank mixes are compatible.** This is an important factor. Not all products that can go into a spray tank with Zidua herbicide can be mixed together. If in doubt of specific combinations do a jar test for compatibility. Run these tests for at least 24 hours to determine mixtures stability. If a mix fails a test, remove products individually to identify problem ingredients.



### **Always read and follow label directions.**

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