



TECHNICAL BULLETIN

Best Use Practices for Conducting a Jar Test with Zinc DDP Micronutrient

Before using Wolf Trax® Zinc DDP® in a foliar application or in liquid fertilizer, we recommend conducting a jar test for compatibility. Follow these steps for best results.

You will need the following:

1/8 tsp. Wolf Trax Zinc DDP¹

1/2 oz. water

2 drops (non ionic, non silicone) compatibility agent

1 oz. per gallon of field application* liquid fertilizer

**If you are going to apply 10 gallons per acre of 10-34-0 use 10 oz. of same to test, if you are using 5 gallons use 5 oz. of liquid fertilizer, etc.*

Method:

1. Add the compatibility agent to the water. Stir for about 20 seconds.
2. Add the Zinc DDP to the resulting solution and mix until the Zinc DDP is dispersed (about 30 seconds)
3. To this mix add the appropriate amount of liquid fertilizer. Stir for 30 seconds.
4. Observe the mixture and look for settling out or lumps. If you do not see any, leave the mixture for 24 hours, stir for 30 seconds and observe again. If the product is still in suspension then the products are compatible.
5. Note: The order of addition on a successful test must be replicated exactly in field situations to ensure continued mixing success.

Troubleshooting:

- If you observe problems in the solution such as lumps or flakes change the order of addition, as this sometimes will address the problem.
- If this does not help, repeat the above steps, but add the zinc solution to the fertilizer (instead of the other way around), and monitor the resulting mixture, as outlined above.
- If the problem still persists, these products are not compatible.
- You should use this test on ALL fertilizer blends you plan to use as they will not all necessarily behave in the same manner.

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For more information on the Wolf Trax DDP family of Innovative Micronutrients, contact your Wolf Trax Representative, call 204-237-9653, or visit us at www.wolftrax.com.

¹ The above example is based on a rate of 3 oz of zinc DDP being mixed into 1.5 gallons of water using a rate of 1% compatibility agent. If you wish to use different application rates, change the testing ratios accordingly.

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