

Mixing Tips and Instructions 2018

Our product line is a unique selection of natural minerals and nutrients. Mixing of these products for use in a sprayer requires specific steps and considerations.

Please review the following mixing instructions prior to the start of mixing:

Review MSDS for safe handling considerations

Choose a clean water source that has a low EC reading and a low TDS. Adjust pH of the mixing water to PH under 7. If you continue to have problems, lower the PH a little more.

Use 10 US gallons of water per acre when spraying out the products unless otherwise stated.

Use of a mix tank/chem handler or a nurse tank will eliminate many problems with mixing of the products. Often lack of preparation or understanding of how the products need to mix can cause unneeded frustration. The BTYR mixing tanks are a low cost system that can increase productivity. Batch/nurse tanks can be added on so that while one tank is being sprayed out, someone can be mixing up the next tank. We recommend there are no filters within the mixing system, and the only filter is in the hose that goes to the sprayer. Always use 50 mesh screens.

Ensure that mixing tank/chem handler and sprayer have adequate agitation. The products you are using suspend in water, not dissolve. If you don't see the water "boil" in the tank, you may find that product will settle to the bottom.

Jar test all your products with your water source before starting. This will eliminate many complications before you start spraying.

Please contact our sales team for other mixing tips and set up. Mixing is not hard or complicated, but when prepared it ensures a smooth operation.

Ensure use of Personal Protective Equipment where indicated for safe handling of products.

Sprayer Types: sparge tube and jet. The sparge tube has less chance for dead spots within the tank that are not agitating. A good pump is required for agitation and spraying. The centrifical style is the best. The only filters in the system should be in the spray circuit on a sprayer. Use 50 mesh nozzles, with no filters or screens in them. For cleaning the booms, some producers put valves at the end of each section and at the end of the boom, to flush the booms one section at a time. Use 25-30 gallong/ac when flushing booms. Clean filters between each load and as necessary. This will prevent any issues with sprayer pressure and clogging. Simply running water through the nozzles is not adequate and may result in plugged nozzles.

NOTE: The AIM System (or Sharp Shooter) is not designed to carry anything in suspension and does not work with these products.



Mixing guidelines:

Start to fill sprayer tank with clean water. Dissolve each product as indicated below or as described on the product label. Add each dry product to the sprayer only once completely dissolved or suspended. Mix in the following order:

Zumsil – add to sprayer tank before all other products. Dilute to 50 parts water to 1 part product and mix well.

GSR Calcium – Dissolve slowly into a mix tank/chem handler until all product is suspended. Continue to agitate well until sprayed out. Add ½ to 1 pound of granular sugar per acre after calcium is dissolved. This will prevent chemical interaction with minerals already in the water. When applying the calcium, please ensure that it is applied with a minimum of 10 gallons of water per acre per 45 grams of product.

Essential Phosphate, Seed and Fruit - dissolve in water in mix tank/chem handler. Add to sprayer tank after the calcium and sugar have been dissolved. Ensure mixture remains agitated. If product is slow to dissolve, decreasing the PH of the water with citric acid can be helpful.

Micronized Soft Rock Phos – best suspended in water with a pH under 7.0 or lower. Add to water and agitate till all of the product is suspended. Use of a nurse tank is suggested until product can be added to the sprayer. Keep product agitated until sprayed out.

Liquid Fish – ensure the fish is well mixed before adding to the sprayer. Ensure it is run through a 50 mesh screen to prevent plugging

Microbial Tea – ensure the tea is mixed well before adding to the sprayer.

Humic acid – DO NOT MIX IN TANK WITH GSR CALCIUM! Can be added to the sprayer tank after ensuring it is well mixed in the jug.

Fulvic Acid Concentrate – dilute 150 parts water to 1 part product. Add directly to the sprayer once diluted.



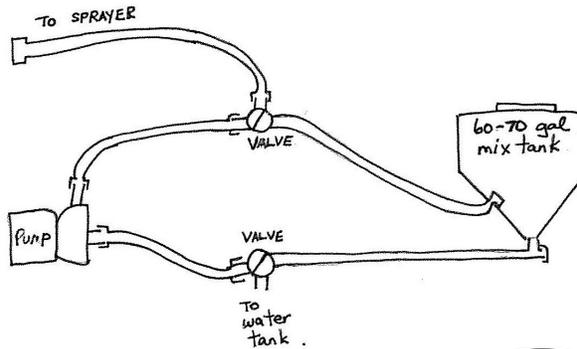
PRODUCT MIX TANK:

When set up and prepared, product mixing can be an easy process. We recommend the use of a mix tank set up to ensure proper mixing.



Call for pricing
306-747-4744

- Low cost system that provides flexibility in set up
- Ensures proper mixing and suspension of products
- Eliminates frustration
- Increases productivity
- Convenient to use
- Tank and fittings included, customer supplies hose and pump



Seed Treatment Applicators

- Refillable container in 10 and 24 gallon sizes.
- No power required.
- One Gallon of compressed air treats 125 bushels.
- Graduated liquid level on see-through container.
- Dual injection system for auger application.
- Air agitation provides continual suspension of product(s).
- Treat or inoculate large seed volumes without interruption.
- Regulated air pressure & accurate metering valve.
- Rounded bottom for complete clean-out.

Call for pricing
306-747-4744

