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Mixing Heads Up Water-Soluble Powder

Key notes

- Heads Up® is non-microbial and is sold as highly concentrated dry chemistry
- A pre-slurry method must be used before mixing Heads Up® with other treatments.
- Product needs to be applied through seed treating equipment; can not be applied at planter box or in furrow
- Use a minimum of 5 to 8 oz of total liquid / cwt (including Heads Up® and other commercial seed treatments and other liquids/inoculants)

100 oz. Mixing Method Instructions

Step #2 below is very critical when mixing the Heads Up® water-soluble powder into a liquid solution. The only cause for settling out issues is not being mixed thoroughly into a solution.

Start out the mixing process with 100 ounces of clean non-chlorinated water (distilled is preferred).

Use a 1-gallon plastic pitcher/container for the first step in mixing. Pour 50 ounces of clean non-chlorinated water into the pitcher/container. Add the 58-gram packet of dry water-soluble Heads Up® powder into the 50 ounces of water and shake or stir it into a solution/slurry. You have now created 50 ounces of a Heads Up/water solution/slurry. You will likely have some clumping left in this initial solution unless you hand mix for a very long time. A little clumping is ok as long as you do the following in step #2 to mix the clumps into the solution.

1. Pour the initial 50 ounce of Heads Up/water solution/slurry into a clean 1 gal - 2.5 gal jug with a cap and **shake it vigorously after you put the cap back on**. This should solubilize any clumping left from the initial mixing done in step #1.
2. Pour the final 50 ounces of clean water into the original mixing pitcher and use that to mix/solubilize any remaining Heads Up left/stuck in the original pitcher (step #1). Pour these 50 ounces of rinsate solution into the 1 gal - 2.5 gal jug and shake vigorously again. Your 58-gram packet has now made 100 ounces of Heads Up solution in liquid form.
 - In this method, the 100 oz solution of Heads Up® will carry to treat 400 units (20,000 lbs of seed) at a rate of 0.5 oz/cwt. Adding Heads Up® to a tank with agitation is recommended. Pre-slurry can be mixed with other products (seed treatments or inoculants) or applied in a separate tank with pump to treater.



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- Ensure all products applied to the seed through the treater at time of application allow for a minimum of 5 to 8 oz/cwt.
 - If treating less than 400 units / 20,000 lbs of seed at a time, refrigerate the unused solution and use within 7-10 days. Shake solution well before use.
 - Once Heads Up® is applied to the seed, the product is totally stable.
 - When the chemistries incorporate into the seed coat, Heads Up® treated seed can be planted immediately or anytime in the future days, weeks or longer with no days to planting restrictions.
3. **Remember**, you can store this solution in a fridge for up 7-10 days. Simply screw the cap back on your jug/container and tape the product label from the 58-gram packet onto the jug/container. Shake solution well again before use.

If using Heads Up® by itself using water only as the carrier

Application rate: 1 gram of Heads Up® treats up to 360 lbs of seed @ 9.4 oz/cwt

Mix at a ratio of 1 gram of Heads Up® Plant Protectant per 34 ounces (1 Liter) of water.

Total Package – Mix 58 grams of Heads Up into 58 Liters, or 15.40 gal (1972 ounces) of water (non-chlorinated preferred)

34 ounces (one liter) of solution will treat up to 360 lbs of legume or cereal seed.

Apply to seed @ final application rate of 9.4 oz/cwt

If treating less than 400 units / 20,000 lbs of seed at a time, refrigerate the unused solution and use within 7-10 days. Shake solution well before use.

Once Heads Up® is applied to the seed, the product is totally stable.

When the chemistries incorporate into the seed coat, Heads Up® treated seed can be planted immediately or anytime in the future days, weeks or longer with no days to planting restrictions.