TrueHume™ 80 Humates and Fulvic70

Application and Blending Instructions

Mixing a 10% Humic Acid Solution

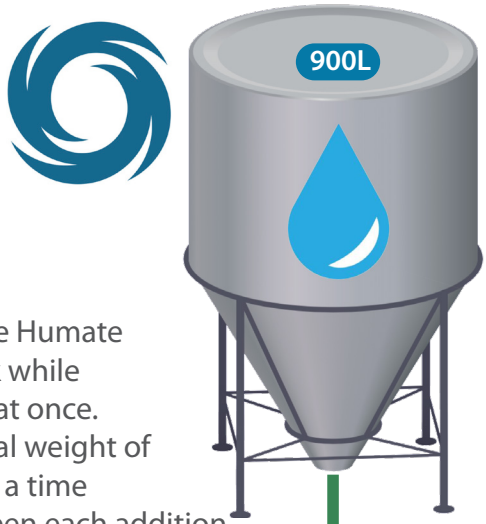
STEP 1

Start with a clean cone-bottom poly mixing tank.
This solution is best made in 1000L batches.

Fill with 900L of warm water. Warm water works best when solubilizing humates.

STEP 2

Create a strong vortex in the mixing tank. You can do this with a high-pressure pump.



STEP 3

Slowly add 130KG of **TrueHume™ 80P** Soluble Humate Powder into mixing tank while stirring. DO NOT add all at once. You should add your total weight of product by fifths (1/5) at a time waiting 5-10 mins between each addition. **Blend for 45 minutes minimum. Strain before adding to sprayer.**

RESULT

TrueHume™ 10% Liquid Humates Solution

-Ready for Foliar Application
-Ready for mixing with other inputs

Mixing a Fulvic Acid Solution

(Must be solubilized in water before adding to herbicide or foliar fertilizer for spraying)

STEP 1

Start with a clean mixing container, add 1-5 kg of **TrueHume™ Fulvic70** per 20L of warm water based on 30g per acre application rate.

Must be solubilized before adding to herbicide or foliar solution. Do not exceed 5kg per 20L of water.
See more info on reverse side

STEP 2

Mix with a mixer such as a drill bit dry-wall mixer until **TrueHume™ Fulvic70** is fully solubilized into the water.

STEP 3

Add **TrueHume™ Fulvic** solution into spray tank after herbicides or foliar fertilizers and maintain good agitation in sprayer.

RESULT

Herbicide or Foliar Fertilizer with added benefits of **TrueHume™ Fulvic70**.

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Important
Detailed instructions on flip-side

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TrueHume™ 80 Humates and Fulvic70

Detailed Application and Blending Instructions

Mixing a 10% Humic Acid Solution

Easiest to do in 1000L batches (Totes). When mixing a 10% Humates Solution, patience is required. All our humates are water-soluble, but they require time to fully solubilize, especially when mixing in larger quantities. *Best mixed in a cone-bottom poly tank.*

Fill tank with 900L of warm water. Create a vortex in the tank using a high pressure pump/air-line. Slowly add in 130 KG of TrueHume 80P Soluble Humate Powder. DO NOT pour all at once. You should add your desired quantity in fifths. Pour 1/5 of your total weight (in this case 26kg very slowly, and wait 7-10 minutes to solubilize. Then the next fifth, etc.

If allowed to sit for a long time (few weeks or longer) you can put back into solution using an air gun. Caution: when sucking out product, do not suck out the "Humins" that settle at the bottom of the tote (usually about an inch or so of settled humins per tote). These are great fertilizer but use caution as they will plug sprayer nozzles.

Limiting air in the return line will minimize the amount of foaming. As stated before, this blend requires patience. Once all humates are added to the water, let it blend for 45 minutes minimum. Note: Tank can be as simple as taking a fuel tank and cutting off the top and having a pump suck out of the bottom and with an elbow back through the side of the tank. We recommend filtering the 10% Humates Solution through a strainer before adding to sprayer.

28-0-0

You can liquify the humates directly in the fertilizer tank if you have enough agitation. You would need approximately 150lbg (68kg) of humates / 1000 Gallons of 28-0-0. You can also add the above mentioned pre-liquified humatesolution accordingly (.25L - 1.5L humate solution/gallon of 28-0-0).

Liquified Urea

Add about 1/4 L of the above mentioned 10% solution of humates per gallon of Liquified Urea. This reduces the risk of crop burn, improves nutrient uptake, increase brix and reduces the changes of nitrogen loss.

Humic Acid Rates for Liquid Fertilizers

Product	Lbs N/Gal	% Humates	Lbs Dry Humates/Gal of Product
28-0-0	3	5%	0.15
Liquified Urea	1	2.5%	0.025

Dry Products

Many of our customers use 5 lbs/acre of TrueHume 80G Humate Granules through a midrow bander with both potassium and nitrogen. They regulate application through the air cart like using an inoculant. Most reduce their nitrogen by approximately 10%-20% (depending on crop) from previous years. Also leave out ESN and then add 15 lbs nitrogen/acre over the leaf using Liquified Urea with added humate solution.

Humic Acid Rates for Dry Fertilizers

Product	Lbs of actual/acre	% Humates	Lbs Dry Humates/Acre
11-52-0	40	5%	2
46-0-6	100	5%	5

Mixing a Fulvic Acid Solution

Determine the quantity of TrueHume Fulvic70 needed in order to apply at 30g /acre (based on how many acres you're planning to spray with your foliar tank. Then, take this quantity of Fulvic70 and solubilize up to **5 kg max./20L of water** with a dry wall type drill bit mixer. Trickle in Fulvic70 powder while stirring the water. Add to spray tank after herbicides or foliar fertilizers, and maintain agitation in tank while spraying. Quantity example: If spraying 80 acres with your tank, solubilize 2.4 kg of TrueHume Fulvic70 in 20L of water (method mentioned above) and then add to your tank (30g x 80acres = 2400g = 2.4 kg).

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