

# Huma Gro® Product Mixing Guide

1. When in doubt as to compatibility, please perform a jar test before mixing in large quantities.
2. The mixing container should be fiberglass, plastic, stainless steel, or rubber lined, and capable of withstanding heat exchanges.
3. Use a large enough container to adequately handle the initial mixture, plus room in the container for at least twice the water.
4. Use a good stir rod such as a 3-to-6-foot PVC pipe, or use a mix tank agitation system.
5. Start making the mix by adding into the container half the water you plan to use.
6. Use a 3-gallon measuring bucket with a handle for measuring the products to add and/or use a 1-quart/1-liter measuring pitcher with ounces and/ or mL increments for small measurements.
7. Add in or mix the **HUMA GRO®** products into the water in the order from most acidic to most basic or alkaline. From pH ( $\leq 1.0$ ) to pH ( $\geq 14.0$ ) as shown below.
8. Fill the container capacity with the rest of the water you will use.
9. As a rule of thumb, leave the products with the most basic pHs ( $> 7.0$ ) such as **SUPER POTASSIUM®** until the very last and add very slowly. If there is a reaction it will be immediate, but with a little patience and stirring it should mix in well.
10. If adding a pesticide or fungicide to the fertilizer solution, add after all the **HUMA GRO®** products are thoroughly mixed. Do a jar test first for compatibility.
11. Never apply total **HUMA GRO®** products plus other ag chemicals at more than 10% concentration of the finished application mix.

## PRODUCT pH (Acidic to Basic)

Calcium	$\leq 1.0$
SUPER PHOS® (PHOS-MAX®)	$\leq 1.0$
GOLDEN PRO®	$\leq 1.0$
C-PHOS™	$\leq 1.0$
CAL-MAG™	0.5–1.5
Z-PHOS™	0.8–1.8
Sulfur	1.0–1.5
D-FEND®	1.0–2.0
Nickel	1.0–2.0
ACTIVOL®	1.0–2.0
COMOL™	1.0–2.0
MAX PAK®	1.1–2.0
Manganese	1.5–2.0
FULVI PRO®	1.5–2.5
44-MAG®	1.5–2.5
BREAKOUT®	1.5–2.5
VITOL® II	1.5–2.5
VITOL®	1.5–3.0
IRO-MAX®	1.5–2.5
CROP-GARD®	1.6–2.6
Copper	2.0–3.0
Cobalt	2.5–3.5
PUR CAL™	2.5–3.5
LUCKY 7®	3.5–4.5
SURF-MAX®	4.0–5.0

Z-MAX®	4.0–5.0
ZAP®	4.0–5.0
PROUD 3®	4.5–5.5
FERTIL HUMUS®	5.0–6.0
PROMAX®	5.5–6.5
AN-MAX™	6.0–7.0
ENCAPSALT®	6.0–7.0
KLEENUP™	6.5–6.7
2-16-16™	6.5–7.5
38 SPECIAL®	6.5–7.5
SUPER NITRO®	7.0–8.5
START-L™	7.5–8.5
BORO-PRO®	7.6–8.6
BEST-BALE®	8.0–8.5
BUFFER K®	8.0–9.0
HUMA PRO®	8.0–9.0
FERTIL SOIL®	8.0–9.0
X-TEND®	8.0–9.0
X-TEND® B	8.25–9.25
Molybdenum	8.0–9.5
SILI-MAX®	11.0–12.0
SIL-K™	$\geq 14.0$
JACKPOT® (YIELD-MAX™)	$\geq 14.0$
SUPER POTASSIUM®	$\geq 14.0$