



# AdjuTec® AMS Gold PLUS



All well water contains dissolved calcium, magnesium, and zinc, and iron. These positively charged “cations” give untreated water its “hard” qualities. They react with the negatively-charged ions found in detergents and herbicides and form solids that precipitate, or settle out of solutions. This reduces the power of active ingredients in detergents and leaves a film on glasses and tubs. These cations also reduces the efficacy of many herbicides.

PCT I Sunrise AdjuTec® AMS Gold PLUS was developed to increase the efficacy of post- emergence foliar-applied herbicides, especially glyphosate, which as a very strong negative charge. AdjuTec® AMS Gold PLUS conditions spray solutions and improves glyphosate solubility in two ways.

By acidifying the herbicide solution, AdjuTec® AMS Gold PLUS reduces the solubility of calcium and magnesium so they are less present in the soil solution.

Sulfates in AdjuTec® AMS Gold PLUS then react with remaining dissolved cations, removing them from the solution. Ammonium ions in AdjuTec® AMS Gold PLUS bond with negatively charged herbicide molecules, both stabilizing and improving their ability to enter weed tissues.

Use of AdjuTec® AMS Gold PLUS has been shown to increase the response of velvetleaf, foxtails, johnsongrass, quackgrass and woolly cupgrass to herbicides including glyphosate. Benefits are especially observed under cool or dry conditions. Inclusion of PCT I Sunrise AdjuTec® AMS Gold PLUS is also recommended when glyphosate is mixed with other burndown or post-emergence herbicides.



## Application Directions

- ↳ Add AdjuTec® AMS Gold PLUS to water before other ingredients.
- ↳ Allow AdjuTec® AMS Gold PLUS to disperse before adding other ingredients.
- ↳ Always add remaining ingredients according to the pesticide manufacturer’s label.

## Rate

- ↳ 1 to 4 quarts per 100 gallons of solution, depending on water hardness.
- ↳ Weed type, weed height, environmental conditions and other factors can impact use rate needed.