



Bud Bread WP - Specifications

This product is compliant with organic production standards as outlined by the National Organic Program of the USDA.

Properties – Bud Bread WP fertilizer contains both soluble and insoluble ingredients. The insoluble components have been finely ground and will suspend in water for a short period of time. It's important to keep the liquid agitated while dispensing it.

Biological Activity – Microorganisms are abundant everywhere and, given an ample supply of nutrients and water, they will multiply and sometimes create objectionable odors. **Bud Bread WP** is stable as a dry powder but, once it's mixed with water, it can become biologically active. Mix only what you'll need for the immediate application. If you're using an irrigation system, flush with clear water after each use.

Density Conversions – Bud Bread WP is about the same density as water (1g/ml). A level tablespoon weighs roughly ½-ounce. Concentrations of nitrogen (N), phosphate (P₂O₅), potash (K₂O), calcium (Ca), sulfur (S), and magnesium (Mg) at different mixing ratios, are shown in the table below. Because some of **Bud Bread WP's** ingredients are insoluble, these concentrations are not entirely disassociated dissolved solids and do not necessarily correspond with electro-conductivity (EC).

	ppm N	ppm P ₂ O ₅	ppm K ₂ O	ppm Ca	ppm S	ppm Mg
1 tspn/gal	72	38	112	87	43	13
2 tspn/gal	145	75	223	174	86	26
1 tbls/gal	217	113	335	261	128	39

tspn = level teaspoonful

tbls = level tablespoonful

Bud Bread WP Ingredient list:

Azomite (OMRI listed)	Bone meal (OMRI listed)	Blood meal (NOP compliant)
Chilean nitrate (OMRI listed)	Sulfate of potash (OMRI listed)	Soluble humate (OMRI listed)
Seaweed extract (OMRI listed)	Gypsum (OMRI listed)	Epsom salt (OMRI listed)

Dose – Our suggested application rate is one level teaspoon/gallon/watering cycle at the seedling stage, slowly increasing the mixing rate to one level tablespoon/gallon through the vegetative stage and slowly decreasing the rate back to one level teaspoon/gallon through the flowering stage. Reduce these recommendations by one-half in constant feeding systems and monitor EC. Allow plants one nutrient-free week before harvest.

Mixing – If you drop the measured amount all at once into water...especially, cold water, sometimes Bud Bread can clump up. It's best to slowly sprinkle the material into a small amount of warm-to-hot water while stirring or agitating in another way. Once all the insoluble material is thoroughly mixed, the warm/hot liquid can be mixed with cold water (**never apply warm/hot liquid to plants**). Insoluble ingredients will eventually settle out but can easily be re-suspended with minimal agitation. The soluble ingredients will remain dissolved without agitation.

Application - Apply to soil. **Bud Bread WP** is not designed for foliar use.