

Effect of Vitamin B on plants.

AS BLOODMEAL IS ONE OF THE MAIN INGREDIENTS OF AGRIBOOST THE VITAMIN B LEVELS IN AGRIBOOST IS JUST NATURALLY PART OF IT. (Below a table of Standard Vitamins in Bloodmeal)

Vitamin A	0	0 1000 IU/kg
Vitamin E	1	1.1 mg/kg
Vitamin B1 thiamin	0.6	0.6 mg/kg
Vitamin B2 riboflavin	2.4	2.5 mg/kg
Vitamin B6 pyridoxine	4.5	4.8 mg/kg
Vitamin B12	34.13	36.54 µg/kg
Niacin	26	27.8 mg/kg
Pantothenic acid	2.3	2.4 mg/kg
Folic acid	0.2	0.2 mg/kg
Biotin	0.2	0.2 mg/kg
Vitamin C	0	0 mg/kg
Choline	687	735 mg/kg



The B-vitamins stimulate the metabolism of the root cells, and help activate the plant's natural defence mechanisms against environmental stress and foreign invaders. For example, scientists now know that thiamine (B1) activates the plant's systemic acquired resistance in a process called "priming". When treated with B1, the plant becomes highly "sensitized" so that it can respond more quickly against various pathogenic bacteria, fungi and even viruses.

The best time for a farmer to use a B-vitamin mix is before environmental stress or a pathogen attack occurs. Under normal conditions, plants produce all of the vitamins that they need, but under stress, plant cells at the growing tips tend to shut down to conserve energy. Therefore, under drought stress, heat stress, UV stress and salt stress, B-vitamin production may cease and growth rates become stalled. Adding a little B-vitamin blend directly to the nutrient solution or as a foliar spray before the stress occurs helps the plant recover from stress much faster, stimulating the plant to keep growing instead of remaining semi-dormant. So, it might be best to think of B-vitamins as an insurance policy for your plants. A little extra B-vitamin blend in your feeding schedule can't hurt, but it could make a big difference if things start to go wrong!

Taking it one step further, B-vitamins amplify the beneficial effects when used in combination with other growth promoters. In addition to B-vitamins, plant-growth-promoting rhizobacteria produce natural growth hormones, amino acids, mineral chelators and other growth factors. When used in combination, they can have a dramatic effect on quality and yield. A good B-vitamin blend should always be on the advanced farmer's shelf!