



Bud Burst

for Peanuts and Mung Beans

Take charge of your legume production and quality, apply Earthlife's Soil Enhancement System and see the difference...

Does your Peanuts or Mung beans suffer from?:

uneven flowering
small or uneven pod fill
uneven ripening

These symptoms are "costing you money"....

"The results from spraying my Mung Bean crop with Bud Burst at flowering is more uniform and larger Pods. Each pod held up to 16 uniform seeds and were such a deep rich green colour that I was paid a premium price for them." **Leigh Jahnke, Four Winds, Oakey.** (read more)

Plants produce "growth hormones" in order to reach maturation and produce fruit. One of the main hormones active in plant growth is "*auxin*", which directs growth energy predominantly to the apex of the plant, the phenomenon being known as *apical dominance*. This is excellent for producing large first fruits, because lower growth points and following fruits receive a lesser proportion of energy. The plant however, does not grow to its full potential, nor produce to its full potential in terms of yield, and fruit tends to be uneven in size.

One of the hormones a plant produces to counter the effect of auxin-induced apical dominance is "*cytokinin*". Cytokinin plays a wide-ranging role in plant growth and development, including involvement in cell enlargement, tissue differentiation, dormancy, flowering and fruiting, and senescence (ripening). It is found in most areas of the plant - roots and root exudates, xylem sap, seeds, developing fruit, and even in leaves.

Cytokinin acts to break the apical dominance effect of auxin, and distribute growth energy throughout the plant more evenly. Therefore more lateral growth is produced with larger leaves, which are more uniform in size. By changing the relationship between the growth hormone "auxin" and the hormone, governing flowering "cytokinin", **Bud Burst** creates an effective stimulus the plant needs to maximise plant production.

The consequence of this change between the auxin and cytokinin balance results in extra cell division and differentiation and allowing more laterals to develop with larger leaf areas. Cytokinin also aids in the increased production of plant sugars and protein.

When is applied and incorporated into the soil, **Bud Burst** has the ability to reduce surface tension in the soil as it also contains a very effective surfactant that acts to reduce the surface tension of moisture molecules without reacting adversely with any particle. This improves moisture retention in the soil while at the same time increasing nutrient availability and uptake by the growing plant.

In simple terms this means that the plant can access the same amounts of nutrient and moisture using less energy. This saving of energy allows a more uniform development of plant growth and enhances uniformity of the crop at harvest.

Bud Burst is a completely soluble, ready to use liquid that can be applied with pre-emergent herbicides such as Treflan, Stomp etc to the soil.

Please contact Alex or Ian through our "contact us" page or phone 1800 819 003 to enable us to assist you in your future endeavours.