

Tech Note

Storage Conditions for Granule Formulations

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Recall the time when granule formulations were first launched back in the late 80's? The issues at that time were with SC formulations settling and OH&S issues with powder formulations.

Then granules and problems solved!!!

This is not necessarily the case. Granules can and do deteriorate. The label reads: “..closed container...dry...cool...well ventilated”

Storage Conditions for Granules.

Storage conditions as detailed on the label call for cool, well ventilated conditions. This note explains the reasons for this.

Granule formulations are not bullet proof and do deteriorate with age. Deterioration will accelerate with poor storage conditions.

Factors that cause deterioration:

- Age: The older the product, the greater the deterioration
- Temperature: Ideal storage conditions are 20-28°C. Once the temperature reaches 35 degrees, certain key ingredients will start to deteriorate
 - Avoid placing pallets in a closed tin shed, on the top layer in a warehouse or against a west-facing wall in summer.
- Humidity: This is **the most important** factor - not only with finished goods in storage but also at the time of production
- Compression: Pallets should be stacked in single layers
- Condensation: Fluctuating temperatures (night/ day) will lead to condensation within the pack and will result in lumpy product

A COMBINATION OF ANY OF THE ABOVE WILL ACCELERATE DETERIORATION

