SOUTH PACIFIC SEEDS
SINCE 1986

SEED TREATMENT

Ncrusting and film coating

Ncrusting

NCrusting is a process which involves the application of inert polymers around the seed to create a larger and smoother finished product. The increased size and weight of the seed minimises 'seed bounce' and helps to maximise planting efficiency; particularly when using pneumatic (vacuum) drilling equipment.

Other benefits of Ncrusted seed include:

- Enhanced singulation during sowing and thus increased accuracy of seed placement
- Potentially higher crop yields due to a more uniform emergence and crop stand
- Incorporating plant protection & enhancement products (fungicides and fertilizers) into the NCrusting process

Ncrusted seed will dissolve quickly in water. However, in warm and dry conditions increasing the volume and frequency of irrigation (particularly in the first few days after sowing) is strongly recommended.

South Pacific Seeds also offers a Custom NCrusting service for customers who own their own seed and wish to enhance its raw properties.

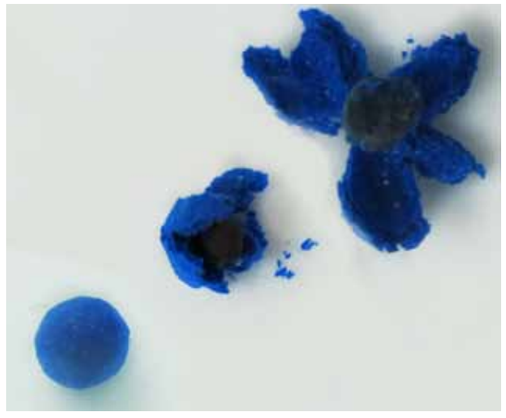
Film Coating

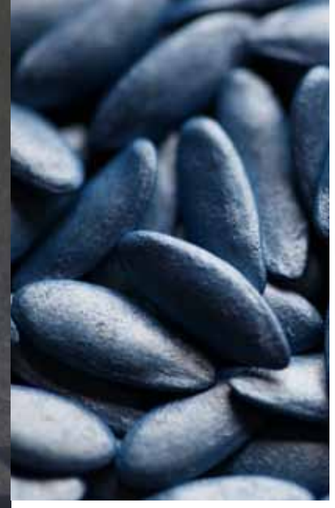
Film coating involves the application of a liquid formulation to seed so that it forms a solid film. The liquid formulation will consist of a polymer binder in combination with other components such as pigments, flow agents and a variety of additives and actives.

A range of colours are available to easily identify the seed against the soil background to assist planting accuracy. Larger seeds such as pumpkin, rockmelon, watermelon and zucchini are currently film coated.

Benefits of film coating seed include:

- Safe, accurate and dust free incorporation of plant protection products
- Improvement of the plant ability of a seed lot
- Improvement of the appearance of a seed lot.





Geniuscoat™

Geniuscoat™ is a balanced blend of specific Humic and Fulvic acids incorporated into a specially developed film coat formulation. Geniuscoat™ is offered as an optional treatment on Ncrusted product.

Benefits of Geniuscoat™ include:

- Enhanced root development which enables the plant to better exploit the soils nutrient reserves
- Stronger root growth, improved vigour and potentially higher yields.

CENTRI COATER SEED TREATER

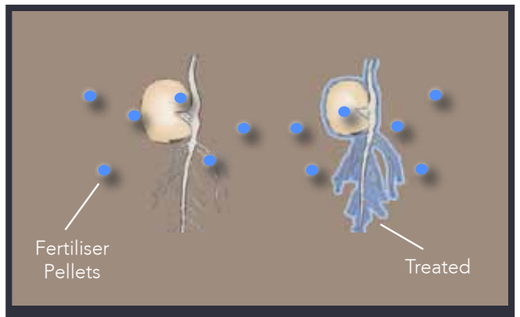
Seed Treatments

South Pacific Seeds can incorporate compatible and registered pesticides, fungicides, fertilizers and biological agents (eg. beneficial fungi and microbes) into both the Ncrusting and Film Coating processes.

These treatments ensure uniform distribution of the beneficial product and assist in maximising the seeds potential.

For example, SPS Ncrusted carrot seed is treated with Thiram, Ipriodione and Metalaxyl-M as a first cover protection against soil fungal diseases. The addition of phosphorus and mycorrhiza (beneficial fungus) also assists in root growth particularly in the first half of the crop's life.

The end purpose of treating your seed regardless of which treatment, is to increase your profitability.



SOIL APPLIED FERTILISER SEED | NCRUST OR FILMCOAT SEED

In the above diagram, the treated seed has immediate access to the supplied product as it has been incorporated into the seed coating.

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