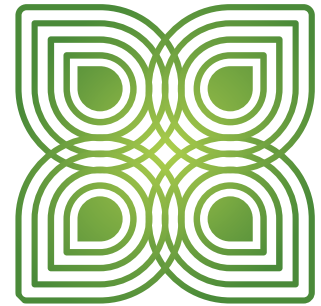




# GENIE® FUL

Reg. No. B4834, Act No. 36 of 1947

Genie® Ful is comprised of long chain organic acids which help to increase the CEC in soil solution and spray solution to improve efficiency of applied chemical components.



## UNDERSTANDING THE GENIE® CONCEPT

The Genie® product range offers a unique solution to improve productivity on low organic soils, targeting overall soil health. Products in the range have the ability to stimulate soil biology by creating an environment conducive for beneficial aerobic microorganisms. The soil buffering capacity is also enhanced, increasing its ability to absorb and release nutrients thereby promoting nutrient uptake and utilisation by the plant.

Products in the range include:

-  **Genie® Boost**
-  **Genie® Dynamic**
-  **Genie® Ful**
-  **Genie® Hume**
-  **Genie® Marine**



## GENIE® FUL

Derived from Leonardite, **Genie® Ful** comprises long chain organic acids. These complex molecules have high chelating capacity and are capable of holding and exchanging cations and anions in the soil.

When added to fertilisers, **Genie® Ful** will increase the concentration of negatively charged sites capable of holding and exchanging cations in the soil – improving the efficacy of fertilisers and reducing loss through volatilisation and leaching.

**Genie® Ful** has also been shown to improve plant cell wall permeability through the root and leaf systems resulting in improved nutrient uptake by the crop.

## BENEFITS OF GENIE® FUL

- Improve the uptake of nutrients by plants in foliar applications
- Chelate plant nutrients to reduce its immobility in the soil
- Promote quicker seed germination and faster root growth
- Provide a carbon source for micro-organisms.

## USES OF GENIE® FUL

- Soil applied
- Applied into irrigation and drip systems
- Apply as beneficial additive to foliar applications of fertilisers.

## APPLICATION RATES

| Mode of application                     | Application rate  |
|---|---|
| Mix with compatible soluble fertilisers | Use 2% Genie Ful with any calcium-containing products. For every 2ℓ Genie Ful for every 100kg of fertilizer you use. Only Genie Ful is compatible with calcium-containing products. |

## PRODUCT SPECIFICATION

|              |          |            |
|--------------|----------|------------|
| Nitrogen (N) | 15 g/kg  | 15.75 g/ℓ  |
| Fulvic acid  | 308 g/kg | 323.40 g/ℓ |

Product pH: 2.0

SG 1.05 @ 20°C

Storage: Do not store product in direct sunlight. Do not store product in temperature below 5°C.

## COMPATIBILITY

Product may be compatible with herbicides and insecticides, please check with supplier. Please be aware that physical compatibility does not guarantee product efficacy.



# COMPATIBILITY CHART

|                     | Rappid®      | Rappid® K    | Genie® Boost | Genie® Dynamic | Genie® Ful | Genie® Marine | Genie® Hume | EcoKsil      | Dekompakt® | Qwemikelp™ | Fruitboost phase® 1 | Fruitboost Phase® 2 | Maxiboost® | Alexin®    | BZM        | BZM Super  | Calcium Nitrate | Magnesium Nitrate |            |
|---------------------|--------------|--------------|--------------|----------------|------------|---------------|-------------|--------------|------------|------------|---------------------|---------------------|------------|------------|------------|------------|-----------------|-------------------|------------|
| Rappid®             | Compatible   |              |              |                |            |               |             |              |            |            |                     |                     |            |            |            |            |                 |                   |            |
| Rappid® K           | Compatible   | Compatible   |              |                |            |               |             |              |            |            |                     |                     |            |            |            |            |                 |                   |            |
| Genie® Boost        | Compatible   | Compatible   | Compatible   |                |            |               |             |              |            |            |                     |                     |            |            |            |            |                 |                   |            |
| Genie® Dynamic      | Compatible   | Compatible   | Compatible   | Compatible     |            |               |             |              |            |            |                     |                     |            |            |            |            |                 |                   |            |
| Genie® Ful          | Compatible   | Compatible   | Compatible   | Compatible     | Compatible |               |             |              |            |            |                     |                     |            |            |            |            |                 |                   |            |
| Genie® Marine       | Compatible   | Compatible   | Compatible   | Compatible     | Compatible | Compatible    |             |              |            |            |                     |                     |            |            |            |            |                 |                   |            |
| Genie® Hume         | Compatible   | Compatible   | Compatible   | Compatible     | Compatible | Compatible    | Compatible  |              |            |            |                     |                     |            |            |            |            |                 |                   |            |
| EcoKsil             | Compatible   | Compatible   | Compatible   | Compatible     | Compatible | Compatible    | Compatible  | Compatible   |            |            |                     |                     |            |            |            |            |                 |                   |            |
| Dekompakt®          | InCompatible | InCompatible | Compatible   | InCompatible   | Compatible | Compatible    | Compatible  | Compatible   | Compatible |            |                     |                     |            |            |            |            |                 |                   |            |
| Qwemikelp™          | Compatible   | Compatible   | Compatible   | Compatible     | Compatible | Compatible    | Compatible  | InCompatible | Compatible | Compatible |                     |                     |            |            |            |            |                 |                   |            |
| Fruitboost phase® 1 | Compatible   | Compatible   | Compatible   | Compatible     | Compatible | Compatible    | Compatible  | Compatible   | Compatible | Compatible | Compatible          |                     |            |            |            |            |                 |                   |            |
| Fruitboost phase® 2 | Compatible   | Compatible   | Compatible   | Compatible     | Compatible | Compatible    | Compatible  | Compatible   | Compatible | Compatible | Compatible          | Compatible          |            |            |            |            |                 |                   |            |
| Maxiboost®          | Compatible   | Compatible   | Compatible   | Compatible     | Compatible | Compatible    | Compatible  | InCompatible | Compatible | Compatible | Compatible          | Compatible          | Compatible |            |            |            |                 |                   |            |
| Alexin®             | Compatible   | Compatible   | Compatible   | Compatible     | Compatible | Compatible    | Compatible  | InCompatible | Compatible | Compatible | Compatible          | Compatible          | Compatible | Compatible |            |            |                 |                   |            |
| BZM                 | Compatible   | Compatible   | Compatible   | Compatible     | Compatible | Compatible    | Compatible  | Compatible   | Compatible | Compatible | Compatible          | Compatible          | Compatible | Compatible | Compatible |            |                 |                   |            |
| BZM Super           | Compatible   | Compatible   | Compatible   | Compatible     | Compatible | Compatible    | Compatible  | Compatible   | Compatible | Compatible | Compatible          | Compatible          | Compatible | Compatible | Compatible | Compatible |                 |                   |            |
| Calcium Nitrate     | InCompatible | InCompatible | Compatible   | InCompatible   | Compatible | Compatible    | Compatible  | Compatible   | Compatible | Compatible | Compatible          | Compatible          | Compatible | Compatible | Compatible | Compatible | Compatible      | Compatible        | Compatible |
| Magnesium Nitrate   | Compatible   | Compatible   | Compatible   | Compatible     | Compatible | Compatible    | Compatible  | Compatible   | Compatible | Compatible | Compatible          | Compatible          | Compatible | Compatible | Compatible | Compatible | Compatible      | Compatible        | Compatible |

Not done
  Compatible
  InCompatible
  Only compatible at low application rate

Please be aware that physical compatibility does not necessarily guarantee product efficacy.  
 \* The mixture must be stirred vigorously for thorough mixing.

GENIE® is a registered trademark of AECI Limited (Nulandis® a division of AECI Limited)