

Nutri-Life 4/20™



A task specific, freeze-dried blend of bacterial strains and beneficial fungi.

After a decade of successes in Australian agriculture, Nutri-Life 4/20™ is now Australia's most popular microbial inoculum. These multitask microbes can be boom sprayed, fertigated or foliar sprayed depending upon the desired result. This blend has proven to be a remarkably cost effective alternative for those seeking to reduce chemical inputs.

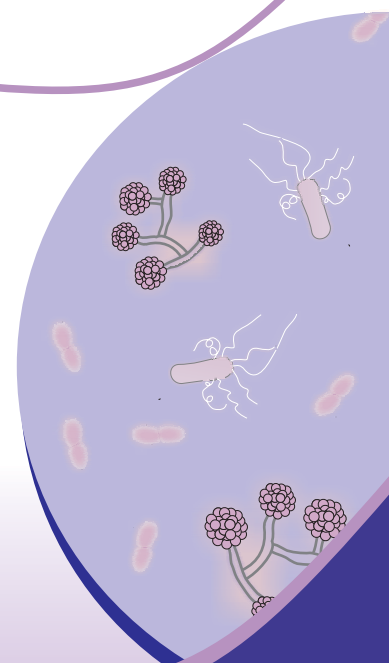
Benefits

- Biological Farmers of Australia (BFA) Registered Product 456AI.
- Nitrogen fixation.
- Rapid humus production.
- Increased phosphorus availability.
- Greatly improved nutrient uptake.
- Consequent yield increases.
- Crop quality improvements.
- No withholding period.
- Can also be used to clean up waterways, dams and irrigation sources.
- Can improve septic tank performance.



PACKAGING

250 g, 500 g, 1 kg, 3 kg, 7 kg, 20 kg
Product Code:>NNL420



Nutri-Life 4/20™



ALLOWED INPUT 456AI

**BFA
REGISTERED
PRODUCT**

Application Rates

Soil Application: 100 L per ha of brewed concentrate

Foliar: 50 – 100 L per ha of brewed concentrate

Hydroponics: Apply 20 L per 1000 L of nutrient solution

All microbial products should be added to the tank last after all other inputs have been diluted. Apply in the late afternoon. Do not exceed 60 psi. Reapply brew every 4 – 8 weeks.

Miscellaneous

- Oxygen (>5ppm) should be maintained to achieve maximum results.
- Nutri-Life 4/20™ is supplied as dry kelp granules containing the micro-organisms in a dormant state.
- This product requires "brewing" with LMF™ (Liquid Microbe Food) to activate and multiply the species prior to application.
- Nutri-Life 4/20™ is not compatible with biocidal chemicals.
- Spray tanks and equipment for microbe brews must be extremely clean to prevent the proliferation of contaminants. Path-X™ is a powerful and safe biocide that is ideal for cleaning equipment. Simply dilute 100 mL with 10 L of water (1% solution) and apply, leaving the solution in contact with equipment for at least 10 minutes. Finally, rinse thoroughly several times with water.

Typical Analysis

Contains specifically selected strains of the following: *Azotobacter vinelandii*, *Bacillus megaterium*, *Bacillus subtilis*, *Bradyrhizobium japonicum*, *Chaetomium globosum*, *Pseudomonas fluorescens*, *Pseudomonas putida*, *Pseudomonas stutzeri*, *Rhizobium leguminosarum*, *Streptomyces albidoflavus*, *Streptomyces cellulosae* & *Trichoderma lignorum*.

Brewing Instructions

Treat water first with bleach (4.0% available chlorine) at a rate of 50 mL per 100 L of water. Proportional amounts will be required if the available chlorine varies. Aerate for 1 hour.

Fungi Dominated:

For each 100 L of water add 1 L of LMF™ (Liquid Microbe Food) plus 1 L of Dominate™ (fungi), followed by 50 g of 4/20™ inoculum. Brew with aeration for 18 – 24 hrs at 20 – 25°C. The brew is stable for up to two (2) weeks without aeration.

Bacteria Dominated:

For each 100 L of water add 1 L of LMF™ (Liquid Microbe Food) plus 1 L of Dominate™ (bacteria), followed by 50 g of 4/20™ inoculum. Brew with aeration for 18 – 24 hrs at 20 – 30°C. The brew is stable for up to two (2) weeks without aeration.

Storage & Handling

- Contains live organisms. Do not mix with fungicides/bactericides, toxic chemicals or soil fumigants. Sanitise spray tank before application.
- Store in cool, dry place away from sunlight and below 30°C. May be stored in a refrigerator after opening for up to 3 months, however, contamination may occur once opened. DO NOT FREEZE. Use as soon as possible after opening.
- Gloves and breathing mask should be worn at all times when handling microbial products.
- All brews may need filtering to prevent equipment blockages.

Disclaimer: Any recommendations provided by Nutri-Tech Solutions Pty Ltd (NTS) or its Distributors are advice only. As no control can be exercised over storage, handling, mixing application or use, or weather, plant or soil conditions before, during or after application (all of which may affect the performance of our program), no responsibility for, or liability for any failure in performance, losses, damages, or injuries (consequential or otherwise), arising from such storage, mixing, application, or use will be accepted under any circumstances whatsoever. NTS recommend you contact an Agronomist prior to product application. The buyer assumes all responsibility for the use of any NTS products.



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