

# Nutri-Life 4/20™

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

After more than 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

- Australian Certified Organic (ACO) Registered Farm Input 456AI.
- Nitrogen fixation.
- Rapid humus production.
- Increase phosphorus availability.
- Improve nutrient uptake.
- Increase yield.
- 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



**MICROBIAL  
PRODUCTS**



# Nutri-Life 4/20™

## APPLICATION RATES

### Foliar Spray:

#### Vegetables

50 L/ha of brewed concentrate  
Apply every 2 weeks or as required

#### Orchards, Vineyards & Ornamentals

50 L/ha of brewed concentrate  
Apply every 4 – 8 weeks or as required

#### Turf

50 L/ha of brewed concentrate  
Apply every 3 – 4 weeks or as required

#### Broadacre Crops & Pasture

20 – 50 L/ha of brewed concentrate, apply as required

#### Spot-Spraying

1 part brewed concentrate to 2 parts water, apply as required

### Fertigation:

#### Vegetables

50 – 100 L/ha of brewed concentrate  
Apply every 2 weeks or as required

#### Orchards, Vineyards & Ornamentals

50 – 100 L/ha of brewed concentrate  
Apply every 4 – 8 weeks or as required

#### Turf

50 – 100 L/ha of brewed concentrate  
Apply every 3 – 4 weeks or as required

#### Broadacre Crops (liquid inject)

10 – 50 L/ha of brewed concentrate, apply at planting

## STORAGE & HANDLING

**Read safety directions before use.** While handling, brewing and applying microbial products protective clothing, gloves and face masks should be worn. Contains live organisms. Avoid aerosols generated by aeration. Store in cool, dry place away from sunlight and below 30°C (preferably under refrigeration). Use as soon as possible after opening but if this cannot be achieved then refrigerate remainder immediately after use and use within 3 months. Contamination of contents may occur at any time after opening and NTS takes no responsibility for opened product not used immediately. **DO NOT FREEZE.**

**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.

## COMPOSITION

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*

## IMPORTANT

Contains live organisms. Do not mix with fungicides/bactericides, toxic chemicals or soil fumigants. Sanitise spray tank before application. All brews may need filtering to prevent equipment blockages. All microbial products should be added to the tank last after all other inputs have been diluted. Ideally, apply in the late afternoon. Do not exceed 60 psi. Wash hands after use. Avoid spraying close to harvest if produce is susceptible to staining.

## BREWING INSTRUCTIONS

All brewing equipment must be thoroughly cleaned before and after use (e.g. using Path-X™ at 100 mL/10 L). When using potentially contaminated water sources (e.g. dam water) treat water first using bleach (4% available chlorine) at a rate of 50 mL per 100 L of water. Proportional amounts of bleach will be required if the available chlorine % varies. Aerate for at least one (1) hour, until the smell of chlorine dissipates.

**Fungi Dominated:** For each 100 L of water in the brewer add 1 L of LMF™ (Liquid Microbe Food) plus 1 L of Dominate-F™, followed by 50 g of 4/20™ (sprinkling product over the surface and allowing agitation to mix). Brew with aeration and agitation for 24 – 36\* hrs at 20 – 25°C. Ideally apply as soon as possible after brewing, however use of a Dominate™ product will increase the stability of the brew for up to 2 weeks.

**Bacteria Dominated:** For each 100 L of water in the brewer add 1 L of LMF™ (Liquid Microbe Food) plus 1 L of Dominate-B™, followed by 50 g of 4/20™ (sprinkling product over the surface and allowing agitation to mix). Brew with aeration and agitation for 18 – 24 hrs\* at 20 – 30°C. Ideally apply as soon as possible after brewing, however use of a Dominate™ product will increase the stability of the brew for up to 2 weeks.

\*Brews may require longer in cooler conditions. Monitor the brew closely. Heavy frothing is a sign of completion of a bacterial dominated brew and the brewer can now be turned off. Fungal brews should show minimal frothing.

## YOUR LOCAL NTS DISTRIBUTOR: