Table 1. Microbial inoculant, AMF propagule and macronutrient application rates for the greenhouse trial.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Inoculant | AMF Propagules | Inoculant Application Rate | Estimated Available N† | P | K | Ca | Mg |
|  | no. pot-1 | ---------------------------mg kg-1------------------------- |
| MYAP+ | 1200 | 675 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| OFAMF+ | 1100 | 770 | 3.2 | 24.5 | 82.1 | 8.5 | 20.8 |
| IMO+ | NA | 770 | 11.4 | 52.8 | 53.7 | 5.2 | 4.3 |

MYAP+, commercially available AMF inoculant; OFAMF+, on-farm produced AMF inoculant; IMO+, on-farm produced indigenous microorganism inoculant; NA=not determined.

†Estimated available N for the compost-based inoculants was predicted to be 10% (Gale et al., 2006).

Table 2. Microbial inoculant AMF propagule and macronutrient application rates for the field trial.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Inoculant | AMF Propagules | Inoculant Application Rate | EstimatedAvailable N‡ | P | K | Ca | Mg |
|  | no. m-2 | ----------------------------kg ha-1------------------------- |
| MYAP+ | 500† |  2  | 0.0 |  0.0 |  0.0 |  0.0 |  0.0 |
| OFAMF+ | 20000 | 1500 | 0.8 |  3.9 | 18.8 | 16.5 | 40.5 |
| IMO+ | NA | 1500 | 2.8 | 16.2 | 20.9 | 10.1 |  8.3 |

MYAP+, commercially available AMF inoculant; OFAMF+, on-farm produced AMF inoculant; IMO+, on-farm produced indigenous microorganism inoculant; NA=not determined.

†MYAP was a direct seed treatment and OFAMF was broadcast into the soil before planting.

‡Estimated available N for the compost-based inoculants was predicted to be 10% (Gale et al., 2006).