Table 7. Cost of the commercially available AMF inoculant, MycoApply® used in the field and greenhouse trials.

|  |  |  |  |
| --- | --- | --- | --- |
| Inoculant | ApplicationType | ApplicationRate (dry wt.) | Cost |
| Field Trial |  | lbs. per acre | $ per acre |
| MycoApply | Seed | 1 | 11 |
| OFAMF | Soil | 1350 | 445 |
| IMO | Soil | 1350 | 130 |
|  |  |  |  |
| Greenhouse |  | oz. per gal. pot | $ per gal. pot |
| MycoApply | Soil |  0.30† |  0.12 |
| OFAMF | Soil | 0.35 | <0.01 |
| IMO | Soil | 0.35 | <0.01 |

†Recommended application rate is 0.5-1.0 oz per gallon container, which costs $0.20 to $0.40 per gallon container. We used the reduced rate to match AMF propagules with the on-farm produced AMF inoculant.

Table 8. Cost of materials to make the on-farm produced AMF inoculant (OFAMF).

|  |  |  |  |
| --- | --- | --- | --- |
| Material |  $ per ft3 | ft3 needed to make 100 lbs (dry wt) | Cost ($) to make 100 lbs. (dry wt.) IMO  |
| Vermiculite | 4.67 | 6.30 |  29.4 |
| Compost | 6.00 |  0.63 |  3.8 |
| Seedlings |  0.00 |  NA |  0.0 |
| **Total** |  |  |  **33.2** |

Table 9. Cost of materials to make the on-farm indigenous microorganism inoculant (IMO).

|  |  |  |  |
| --- | --- | --- | --- |
| Material |  $ per lb. | lbs. needed to make 100 lbs (dry wt)† | Cost ($) to make 100 lbs. (dry wt.) IMO  |
| Rice | 1.00 |  0.25 | 0.25 |
| Brown Sugar | 1.80 |  0.50 | 0.90 |
| Wheat Bran | 0.24 |  35.0 | 8.40 |
| Soil | 0.12 |  65.0 | 0.00 |
| **Total** |  |  | **9.55** |

†IMO is typically made by measuring volumes of soil and wheat bran, the dry weights presented are estimates of volumes used to make 100 lbs (dry wt.) of IMO.