Table 1. Estimated costs of grafted and non-grafted melon plants

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | | | | Grafted | | | | Non-grafted | | |
|  |  | | | | Labor | | Material | | | Labor | Material |
|  |  | | | | ($/1,000 plants) | | | ($/1,000 plants) | | | |
| **Seeds** |  | | | |  |  | |  | | |  |
| Scion (‘Arava’) | | | | |  | 28.26 | |  | | | 23.55 |
| Rootstock (RST-04-109-MW) | | | | | | 100 | |  | | |  |
| **Seedling production** | | | | |  |  | |  | | |  |
| Potting soil |  | | | |  | 19.00 | |  | | | 9.50 |
| Flats |  | | | |  | 16.72 | |  | | | 7.31 |
| Seed sowing and care | | | | | 92.95 |  | | 59.15 | | |  |
| **Grafted transplant production** | | | | | |  | |  | | |  |
| Grafting |  | | 46.94 | | |  | |  | | |  |
| Grafting clips | |  |  | | | 222.5 | |  | | |  |
| Miscellaneous supplies | | | |  | | 8.00 | |  | | |  |
| Post-graft care | | | 21.13 | | |  | |  | | |  |
| **Healing chamber** | | |  | | |  | |  | | |  |
| Humidifier |  | |  | | | 5.49 | |  | | |  |
| Air conditioner | | |  | | | 31.80 | |  | | |  |
| Building supplies | | |  | | | 26.86 | |  | | |  |
| Assembly |  | | 16.90 | | |  | |  | | |  |
| Subtotal |  | | 177.92 | | | 458.63 | | 59.15 | | | 40.36 |
| Total |  | | 636.55 | | | | | 99.51 | | | |
|  |  | |  | | |  | |  | | |  |
| **Cost/plant** |  | | 0.64 | | | | | 0.10 | | | |