| DAT | Location | Operation1 | Operation2 | Operation3 | Description1 | Description2 | Description3 | Input | Unit | Units/acre |
|----------|----------------------|----------------------------|-----------------------------------|--------------------------|--|---|--------------------------|--|-------------------------|----------------|
| | 20 Field | | Irrigation | Flood | ONLY for newly acclaimed land | | NEED-BASED | Labor | Man-d | 0.50 |
| | 10 Field | | Deep-chiseling | | ONLY for newly acclaimed land | EITHER deep-chiseling or ploughing | NEED-BASED | Tractor with chisel | Tractor-op. | 1.00 |
| | 10 Field | Field preparation | | | ONLY for newly acclaimed land | EITHER deep-chiseling or ploughing | NEED-BASED | Tractor with plough | Tractor-op. | 1.00 |
| | -3 Field | | Organic manuring | Manure application | | | ONLY ONCE PER YEAR | Vermicompost | mt | 1.20 |
| | -3 Field | | Organic manuring | Manure application | | | ONLY ONCE PER YEAR | Vermicompost | mt | 1.20 |
| | -3 Field | | Organic manuring | | Apply evenly to field surface | | ONLY ONCE PER YEAR | Labor | Man-d | 1.00 |
| | -3 Field | Field preparation | Fertilization | Basal fertilizer | 23-00-00 N-P-K | | | Urea | kg | 50.00 |
| | -3 Field | Field preparation | Fertilization | Basal fertilizer | 18-46-00 N-P-K | | | DAP | kg | 100.00 |
| | -3 Field | Field preparation | Fertilization | Basal fertilizer | 00-00-60 N-P-K | | | SOP (potassium sulphate) | kg | 120.00 |
| | -3 Field | | Fertilization | Basal fertilizer | | | | Zn-Sulphate | kg | 20.00 |
| | -3 Field | | Fertilization | | Mix and apply evenly to surface | | | Labor | Man-d | 1.00 |
| | -2 Field | | Harrowing | | | | | Tractor with harrow | Tractor-op. | 1.00 |
| | -2 Field -2 Field | | Planking Bed making | 90-cm bed & 45-cm furrow | | | | Tractor with planker Tractor with bedmaker | Tractor-op. Tractor-op. | 1.00 |
| | -2 Field | | Irrigation | Furrow | | | | Labor | Man-d | 0.50 |
| | 0 Field | Sowing | inigation | T dilow | | | | Seed | kg | 1.50 |
| | 0 Field | | 90-cm bed & 45-cm furrow | 2 row/bed | 90-cm interplant distance | 6,700 plants/A | | Labor | Man-d | 1.00 |
| | 0 Field | | Irrigation | Furrow | eo om morpiant distance | 0,1 00 planto/1 | | Labor | Man-d | 0.50 |
| | 7 Field | • | Irrigation | Furrow | | | NEED-BASED | Labor | Man-d | 0.50 |
| | 14 Field | | Irrigation | Furrow | | | NEED-BASED | Labor | Man-d | 0.50 |
| | 14 Field | | Weeding | | | | NEED-BASED | Labor | Man-d | 6.00 |
| | 14 Field | Cultivation | Plant protection | Insecticide | Concentration: 0.08% | against Red Pumpkin Beetle, after germination | | Karate (Lambda Cyhalothrin 5% E0 | | 0.16 |
| | 14 Field | Cultivation | Plant protection | Fungicide | Concentration: 0.20% | against Downy Mildew | | Abic M-45 (Mancozeb) | kg | 0.40 |
| | 14 Field | Cultivation | Plant protection | Fungicide | Concentration: 0.20% | against Powdery Mildew; apply in the evening | | Thiovit 80% WP (Sulphur) | kg | 0.40 |
| | 14 Field | Cultivation | Plant protection | | | | | Water | ltr | 200.00 |
| | 14 Field | Cultivation | Plant protection | | | | | Labor | Man-d | 0.50 |
| | 21 Field | Cultivation | Mulching | Rice or wheat straw | | | | Straw | mt | |
| | 21 Field | Cultivation | Mulching | _ | Cover beds | | 1,555 54055 | Labor | Man-d | 0.50 |
| | 21 Field | • | Irrigation | Furrow | | | NEED-BASED | Labor | Man-d | 0.50 |
| | 28 Field | | Irrigation | Furrow | | | NEED-BASED | Labor | Man-d | 0.50 |
| - | 28 Field | | Plant protection | Insecticide | Concentration: 0.20% | | NEED-BASED | Rogor 30% EC (Dimethoate) | ltr | 0.40 |
| - | 28 Field 28 Field | Cultivation Cultivation | Plant protection Plant protection | | | | NEED-BASED NEED-BASED | Water Labor | ltr Man-d | 200.00 0.50 |
| | 37 Field | | | Eurrow | | | NEED-BASED | Labor | Man-d | 0.50 |
| | 37 Field | | Irrigation Plant protection | Furrow Fungicide | Concentration: 0.20% | against Downy Mildew | NEED-BASED | Abic M-45 (Mancozeb) | kg | 0.40 |
| | 37 Field | Cultivation | Plant protection | Fungicide | Concentration: 0.20% | against Powdery Mildew; apply in the evening | | Thiovit 80% WP (Sulphur) | kg | 0.40 |
| | 37 Field | Cultivation | Plant protection | Tangloide | Ochochitation: 0.20% | against 1 swaery wildow, apply in the evening | | Water | ltr | 200.00 |
| | 37 Field | Cultivation | Plant protection | | | | | Labor | Man-d | 0.50 |
| | 44 Field | Cultivation | Irrigation | Furrow | | | NEED-BASED | Labor | Man-d | 0.50 |
| 4 | 44 Field | Cultivation | Weeding | | | | NEED-BASED | Labor | Man-d | 6.00 |
| | 44 Field | Cultivation | Plant protection | Insecticide | Concentration: 0.20% | | NEED-BASED | Rogor 30% EC (Dimethoate) | ltr | 0.40 |
| | 44 Field | Cultivation | Plant protection | | | | NEED-BASED | Water | ltr | 200.00 |
| | 44 Field | Cultivation | Plant protection | | | | NEED-BASED | Labor | Man-d | 0.50 |
| | 51 Field | Cultivation | Fertilization | Side dressing | 12-00-00 N-P-K | | | Urea | kg | 25.00 |
| | 51 Field | Cultivation | Fertilization | Basal fertilizer | 00-00-15 N-P-K | | | SOP (potassium sulphate) | kg | 30.00 |
| <u> </u> | 51 Field | Cultivation | Fertilization | F | Mix and apply evenly to surface | | NEED DACED | Labor | Man-d | 1.00 |
| | 51 Field 51 Field | Cultivation Cultivation | Irrigation Plant protection | Furrow | Concentration: 0.20% | against Downy Mildew | NEED-BASED | Labor Abic M-45 (Mancozeb) | Man-d | 0.50 0.40 |
| | 51 Field | Cultivation | Plant protection | Fungicide Fungicide | Concentration: 0.20% Concentration: 0.20% | against Downy Mildew against Powdery Mildew; apply in the evening | | Thiovit 80% WP (Sulphur) | kg kg | 0.40 |
| | 51 Field | Cultivation | Plant protection | i ungiolue | CONSCINIARION. 0.20 /0 | against i Swaery willdew, apply in the evening | | Water | ltr | 200.00 |
| | 51 Field | | Plant protection | | | | | Labor | Man-d | 0.50 |
| | 58 Field | | Fertilization | Side dressing | 12-00-00 N-P-K | | | Urea | kg | 25.00 |
| | 58 Field | Cultivation | Fertilization | Basal fertilizer | 00-00-15 N-P-K | | | SOP (potassium sulphate) | kg | 30.00 |
| | 58 Field | Cultivation | Fertilization | | Mix and apply evenly to surface | | | Labor | Man-d | 1.00 |
| | 58 Field | Cultivation | Irrigation | Furrow | | | NEED-BASED | Labor | Man-d | 0.50 |
| | 58 Field | Cultivation | Weeding | | | | NEED-BASED | Labor | Man-d | 6.00 |
| | 58 Field | Cultivation | Plant protection | Insecticide | Concentration: 0.20% | | NEED-BASED | Rogor 30% EC (Dimethoate) | ltr | 0.40 |
| | 58 Field | Cultivation | Plant protection | | | | NEED-BASED | Water | ltr | 200.00 |
| | 58 Field | Cultivation | Plant protection | I | | 1 | NEED-BASED | Labor | Man-d | 0.50 |
| | 65 Field | Cultivation | Plant protection | Fungicide | Concentration: 0.20% | against Downy Mildew | | Abic M-45 (Mancozeb) | kg | 0.40 |
| | 65 Field 65 Field | Cultivation Cultivation | Plant protection Plant protection | Fungicide | Concentration: 0.20% | against Powdery Mildew; apply in the evening | | Thiovit 80% WP (Sulphur) Water | kg ltr | 0.40 200.00 |
| | 65 Field | | Plant protection | | | | | Labor | Man-d | 0.50 |
| | 70 Field | Cultivation | Irrigation | Furrow | | | NEED-BASED | Labor | Man-d | 0.50 |
| | 70 Field | Cultivation | Plant protection | Insecticide | Concentration: 0.20% | | NEED-BASED | Rogor 30% EC (Dimethoate) | ltr | 0.50 |
| | 70 Field 70 Field | Cultivation | Plant protection | ii ioootiolaa | Concentration. 0.2070 | + | NEED-BASED | Water | ltr | 200.00 |
| | 70 Field | | Plant protection | | | | NEED-BASED | Labor | Man-d | 0.50 |
| | 80 Field | | Irrigation | Furrow | | | NEED-BASED | Labor | Man-d | 0.50 |
| | 1 | | | | • | | | | | . 0.00 |

| 80 Field | Cultivation | Weeding | | | | NEED-BASED | Labor | Man-d | 6.00 |
|-----------|-------------|------------------|-------------|----------------------|--|------------|---------------------------|-------|--------|
| 80 Field | Cultivation | Plant protection | Fungicide | Concentration: 0.50% | against Downy Mildew; apply in the evening | | Kocide (Copper hydroxide) | kg | 1.00 |
| 80 Field | Cultivation | Plant protection | Fungicide | Concentration: 0.20% | against Powdery Mildew; apply in the evening | | Thiovit 80% WP (Sulphur) | kg | 0.40 |
| 80 Field | Cultivation | Plant protection | | | | | Water | ltr | 200.00 |
| 80 Field | Cultivation | Plant protection | | | | | Labor | Man-d | 0.50 |
| 90 Field | Harvest | | | | | NEED-BASED | Labor | Man-d | 3.00 |
| 90 Field | Cultivation | Irrigation | Furrow | | | NEED-BASED | Labor | Man-d | 0.50 |
| 90 Field | Cultivation | Plant protection | Insecticide | Concentration: 0.20% | | NEED-BASED | Rogor 30% EC (Dimethoate) | ltr | 0.40 |
| 90 Field | Cultivation | Plant protection | | | | NEED-BASED | Water | ltr | 200.00 |
| 90 Field | Cultivation | Plant protection | | | | NEED-BASED | Labor | Man-d | 0.50 |
| 100 Field | Harvest | | | | | NEED-BASED | Labor | Man-d | 3.00 |
| 100 Field | Cultivation | Irrigation | Furrow | | | NEED-BASED | Labor | Man-d | 0.50 |
| 100 Field | Cultivation | Plant protection | Fungicide | Concentration: 0.50% | against Downy Mildew; apply in the evening | | Kocide (Copper hydroxide) | kg | 1.00 |
| 100 Field | Cultivation | Plant protection | Fungicide | Concentration: 0.20% | against Powdery Mildew; apply in the evening | | Thiovit 80% WP (Sulphur) | kg | 0.40 |
| 100 Field | Cultivation | Plant protection | | | | | Water | ltr | 200.00 |
| 100 Field | Cultivation | Plant protection | | | | | Labor | Man-d | 0.50 |
| 110 Field | Harvest | | | | | NEED-BASED | Labor | Man-d | 3.00 |
| 110 Field | Cultivation | Irrigation | Furrow | | | NEED-BASED | Labor | Man-d | 0.50 |
| 120 Field | Harvest | | | | | NEED-BASED | Labor | Man-d | 3.00 |
| 130 Field | Harvest | | | | | NEED-BASED | Labor | Man-d | 3.00 |
| 131 Field | Harvest | Residue removal | | | | | Labor | Man-d | 4.00 |