**Capsicum - 1**

1. **Crop :-**  Capsicum
2. **Farm :-** KVK, CoE
3. **Crop Duration :-** 6 Months
4. **Date of Transplanting :-** 10-01-2022 To 10-06-2022
5. **Expected Yield :-** 25 MT.
6. **Week wise factors affecting on crop growth & Yield** :-

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **01-Jan-2022 To 30-Jan-2022** | | | | |
| **Factor** | **Week 1st** | **Week 2nd** | **Week 3rd** | **Week 4th** |
| Rainfall | - | - | - | - |
| High Temperature & Low Humidity | 28oC & 70% | 27oC & 72% | 35oC & 45% | 28oC & 75% |
| Cold Night | 18oC & 95% | 19oC & 90% | 25oC & 70% | 20oC & 85% |
| High Photosynthetic Light (In Lux) | 22000 | 25000 | 30000 | 25000 |
| Soil pH | 8.2 | 8.2 | 8.2 | 8.5 |
| Soil Moisture | 80% | 70% | 80% | 80% |
| Soil Temperature | Low | Low | Medium | Low |
| Pest (White Fly, Black Thrips, Mites) | Black Thrips | Black Thrips | Mites | White Fly |
| Disease (Powdery Mildew, Downey Mildew) | Downey Mildew | Powdery Mildew | - | - |
| Soil Salinity | Basic | Basic | Alkaline | Alkaline |
| Method of Irrigation | Drip | Drip | Drip | Drip |
| Drought Risk for Irrigation | No | No | No | No |
| Fertilizer and Pesticide used per acre | 250 | 255 | 260 | 280 |
| Whether crop failed or not | No | No | No | No |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **01-Feb-2022 To 28-Feb-2022** | | | | |
| **Factor** | **Week 1st** | **Week 2nd** | **Week 3rd** | **Week 4th** |
| Rainfall | - | - | - | - |
| High Temperature & Low Humidity | 27oC & 73% | 32oC & 50% | 35oC &55% | 34oC &55% |
| Cold Night | 17oC & 93% | 18oC & 89% | 24oC & 73% | 20oC & 80% |
| High Photosynthetic Light (In Lux) | 30000 | 30000 | 32000 | 30000 |
| Soil pH | 8.5 | 8.5 | 8.5 | 8.5 |
| Soil Moisture | 70% | 70% | 70% | 70% |
| Soil Temperature | Medium | Medium | Medium | Medium |
| Pest (White Fly, Black Thrips, Mites) | Black Thrips& Mite | Black Thrips& Mite | Black Thrips& Mite | Black Thrips& Mite |
| Disease (Powdery Mildew, Downey Mildew, Late Blight) | Downey Mildew | Downey Mildew | Late Blight | Powdery Mildew |
| Soil Salinity | Alkaline | Alkaline | Sodic | Sodic |
| Method of Irrigation | Drip | Drip | Drip | Drip |
| Drought Risk for Irrigation | No | No | No | No |
| Fertilizer and Pesticide used per acre | 280 | 290 | 295 | 320 |
| Whether crop failed or not | No | No | No | No |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **01-Mar-2022 To 31-Mar-2022** | | | | |
| **Factor** | **Week 1st** | **Week 2nd** | **Week 3rd** | **Week 4th** |
| Rainfall | - | - | - | - |
| High Temperature & Low Humidity | 33oC &60% | 34oC & 55% | 35oC &55% | 35oC &60% |
| Cold Night | 24oC &65% | 25oC &70% | 27oC &70% | 27oC &65% |
| High Photosynthetic Light (In Lux) | 32000 | 33000 | 33000 | 34000 |
| Soil pH | 8.7 | 8.7 | 8.7 | 8.7 |
| Soil Moisture | 65% | 63% | 65% | 68% |
| Soil Temperature | High | High | High | High |
| Pest (White Fly, Black Thrips, Mites) | Black Thrips, Mite& White Fly | Black Thrips, Mite& White Fly | Black Thrips, Mite& White Fly | Black Thrips, Mite& White Fly |
| Disease (Powdery Mildew, Downey Mildew, Late Blight, Anthracnose, Fruit Rot) | Fruit Rot | Fruit Rot | Anthracnose | Anthracnose |
| Soil Salinity | Alkaline | Alkaline | Sodic | Sodic |
| Method of Irrigation | Drip | Drip | Drip | Drip |
| Drought Risk for Irrigation | No | No | No | No |
| Fertilizer and Pesticide used per acre | 325 | 350 | 370 | 390 |
| Whether crop failed or not | No | No | No | No |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **01-Apr-2022 To 30-Apr-2022** | | | | |
| **Factor** | **Week 1st** | **Week 2nd** | **Week 3rd** | **Week 4th** |
| Rainfall | - | - | - | - |
| High Temperature & Low Humidity | 35oC & 50% | 36oC & 45% | 36oC & 45% | 38oC & 50% |
| Cold Night | 28oC &55% | 27oC &57% | 28oC &55% | 28oC &55% |
| High Photosynthetic Light (In Lux) | 40000 | 45000 | 45000 | 50000 |
| Soil pH | 8.7 | 8.7 | 8.7 | 8.7 |
| Soil Moisture | 55% | 50% | 45% | 48% |
| Soil Temperature | High | High | High | High |
| Pest (White Fly, Black Thrips, Mites) | Black Thrips, Mite & White Fly | Black Thrips, Mite & White Fly | Black Thrips, Mite & White Fly | Black Thrips, Mite & White Fly |
| Disease (Powdery Mildew, Downey Mildew, Late Blight, Anthracnose, Fruit Rot) | Fruit Rot& Early Blight | Fruit Rot& Early Blight | Anthracnose& Early Blight | Anthracnose& Early Blight |
| Soil Salinity | Sodic | Sodic | Sodic | Sodic |
| Method of Irrigation | Drip | Drip | Drip | Drip |
| Drought Risk for Irrigation | No | No | No | No |
| Fertilizer and Pesticide used per acre | 410 | 420 | 430 | 450 |
| Whether crop failed or not | No (Less Yield) | No (Less Yield) | No (Less Yield) | No (Less Yield) |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **01-May-2022 To 31-May-2022** | | | | |
| **Factor** | **Week 1st** | **Week 2nd** | **Week 3rd** | **Week 4th** |
| Rainfall | - | - | - | - |
| High Temperature & Low Humidity | 37oC & 40% | 36oC & 40% | 37oC & 45% | 39oC & 40% |
| Cold Night | 30oC &50% | 29oC &52% | 30oC &52% | 30oC & 50% |
| High Photosynthetic Light (In Lux) | 50000 | 50000 | 52000 | 52000 |
| Soil pH | 8.7 | 8.7 | 8.7 | 8.7 |
| Soil Moisture | 40% | 43% | 40% | 40% |
| Soil Temperature | High | High | High | High |
| Pest (White Fly, BlackThrips, Mites) | Black Thrips, Mite & White Fly | Black Thrips, Mite & White Fly | Black Thrips, Mite & White Fly | Black Thrips, Mite & White Fly |
| Disease (Powdery Mildew, Downey Mildew, Late Blight, Anthracnose, Fruit Rot) | Fruit Rot & Early Blight | Fruit Rot & Early Blight | Anthracnose & Early Blight | Anthracnose & Early Blight |
| Soil Salinity | Sodic | Sodic | Sodic | Sodic |
| Method of Irrigation | Drip | Drip | Drip | Drip |
| Drought Risk for Irrigation | Yes | Yes | No | Yes |
| Fertilizer and Pesticide used per acre | 460 | 470 | 450 | 450 |
| Whether crop failed or not | No (Less Yield) | No (Less Yield) | No (Less Yield) | No (Less Yield) |

**Actual Yield –15 M.T**

**Capsicum - 2**

1. **Crop :-**  Capsicum
2. **Farm :-** KVK, CoE
3. **Crop Duration :-** 6 Months
4. **Date of Transplanting :-** 05-05-2021 To 24-10-2021
5. **Expected Yield :-** 23 MT.
6. **Week wise factors affecting on crop growth & Yield** :-

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **01-May-2021 To 31-May-2021** | | | | |
| **Factor** | **Week 1st** | **Week 2nd** | **Week 3rd** | **Week 4th** |
| Rainfall | - | - | - | - |
| High Temperature & Low Humidity | 36oC & 40% | 38oC & 40% | 38oC & 45% | 39oC & 40% |
| Cold Night | 31oC & 50% | 30oC & 52% | 29oC & 52% | 30oC & 50% |
| High Photosynthetic Light (In Lux) | 45000 | 48000 | 47000 | 50000 |
| Soil pH | 8.5 | 8.6 | 8.6 | 8.6 |
| Soil Moisture | 41% | 40% | 43% | 41% |
| Soil Temperature | High | High | High | High |
| Pest (White Fly, Thrips, Mites) | Thrips& Mite | Thrips& Mite | Thrips& Mite | Thrips, Mite & White Fly |
| Disease (Powdery Mildew, Downey Mildew, Late Blight, Anthracnose, Fruit Rot, Fruit Scaring) | Fruit Scaring | Fruit Scaring | Fruit Scaring | Fruit Scaring |
| Soil Salinity | Alkaline | Sodic | Sodic | Sodic |
| Method of Irrigation | Drip | Drip | Drip | Drip |
| Drought Risk for Irrigation | No | No | No | No |
| Fertilizer and Pesticide used per acre | 100 | 110 | 115 | 120 |
| Whether crop failed or not | No | No | No | No |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **01-Jun-2021 To 30-Jun-2021** | | | | |
| **Factor** | **Week 1st** | **Week 2nd** | **Week 3rd** | **Week 4th** |
| Rainfall | - | - | - | - |
| High Temperature & Low Humidity | 33oC &50% | 32oC & 58% | 32oC & 63% | 31oC &70% |
| Cold Night | 26oC & 93% | 25oC & 89% | 25oC & 73% | 26oC & 80% |
| High Photosynthetic Light (In Lux) | 49000 | 45000 | 43000 | 43000 |
| Soil pH | 8.0 | 8.1 | 8.1 | 7.9 |
| Soil Moisture | 65% | 64% | 63% | 65% |
| Soil Temperature | Medium | Medium | Medium | Medium |
| Pest (White Fly, Thrips, Mites) | Thrips | Thrips | Thrips | Thrips |
| Disease (Downey Mildew, Early Blight) | Early Blight | Early Blight | Early Blight | Early Blight |
| Soil Salinity | Alkaline | Alkaline | Alkaline | Neutral |
| Method of Irrigation | Drip | Drip | Drip | Drip |
| Drought Risk for Irrigation | No | No | No | No |
| Fertilizer and Pesticide used per acre | 125 | 150 | 160 | 180 |
| Whether crop failed or not | No | No | No | No |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **01-Jul-2021 To 31-Jul-2021** | | | | |
| **Factor** | **Week 1st** | **Week 2nd** | **Week 3rd** | **Week 4th** |
| Rainfall | 35 mm | 38 mm | 38 mm | 36 mm |
| High Temperature & Low Humidity | 30oC & 65% | 30oC & 70% | 28oC & 73% | 28oC & 75% |
| Cold Night | 24oC & 90% | 25oC & 90% | 25oC & 80% | 24oC & 84% |
| High Photosynthetic Light (In Lux) | 42000 | 40000 | 40000 | 38000 |
| Soil pH | 8.1 | 7.9 | 7.7 | 7.6 |
| Soil Moisture | 70% | 71% | 68% | 72% |
| Soil Temperature | Medium | Medium | Medium | Medium |
| Pest (White Fly, Thrips, Mites) | Thrips& White Fly | Thrips& White Fly | Thrips, White Fly & Mites | Thrips, White Fly & Mites |
| Disease (Powdery Mildew, Downey Mildew, Late Blight, Anthracnose, Fruit Rot) | Downey Mildew & Fruit Rot | Downey Mildew & Fruit Rot | Downey Mildew & Fruit Rot | Downey Mildew & Fruit Rot |
| Soil Salinity | Basic | Basic | Basic | Basic |
| Method of Irrigation | Drip | Drip | Drip | Drip |
| Drought Risk for Irrigation | No | No | No | No |
| Fertilizer and Pesticide used per acre | 180 | 200 | 210 | 215 |
| Whether crop failed or not | No | No | No | No |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **01-Aug-2021 To 31-Aug-2021** | | | | |
| **Factor** | **Week 1st** | **Week 2nd** | **Week 3rd** | **Week 4th** |
| Rainfall | 40 mm | 43 mm | 45 mm | 45 mm |
| High Temperature & Low Humidity | 27oC & 72% | 27oC & 73% | 26oC & 75% | 26oC &74% |
| Cold Night | 21oC & 85% | 22oC & 86% | 21oC & 83% | 21oC & 85% |
| High Photosynthetic Light (In Lux) | 35000 | 36000 | 35000 | 35000 |
| Soil pH | 7.4 | 7.3 | 7.3 | 7.2 |
| Soil Moisture | 75% | 77% | 76% | 76% |
| Soil Temperature | Low | Low | Low | Low |
| Pest (Aphids, Jassids, Mites) | Aphids, Jassids& Mites | Aphids, Jassids& Mites | Aphids, Jassids& Mites | Aphids, Jassids& Mites |
| Disease (Powdery Mildew, Downey Mildew, Late Blight, Anthracnose, Fruit Rot) | Downey Mildew & Fruit Rot | Downey Mildew & Fruit Rot | Downey Mildew & Fruit Rot | Downey Mildew & Fruit Rot |
| Soil Salinity | Basic | Basic | Basic | Basic |
| Method of Irrigation | Drip | Drip | Drip | Drip |
| Drought Risk for Irrigation | No | No | No | No |
| Fertilizer and Pesticide used per acre | 220 | 225 | 230 | 235 |
| Whether crop failed or not | No(Less Yield) | No(Less Yield) | No(Less Yield) | No(Less Yield) |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **01-Sep-2021 To 30-Sep-2021** | | | | |
| **Factor** | **Week 1st** | **Week 2nd** | **Week 3rd** | **Week 4th** |
| Rainfall | 100 mm | 90 mm | 30 mm | 20 mm |
| High Temperature & Low Humidity | 25oC &85% | 25oC & 87% | 24oC & 86% | 24oC &87% |
| Cold Night | 18oC & 90% | 19oC & 91% | 18oC & 90% | 19oC & 88% |
| High Photosynthetic Light (In Lux) | 30000 | 31000 | 32000 | 30000 |
| Soil pH | 7.1 | 7.0 | 7.1 | 7.0 |
| Soil Moisture | 80% | 78% | 79% | 80% |
| Soil Temperature | Low | Low | Low | Low |
| Pest (White Fly, Thrips) | White Fly &Thrips | White Fly &Thrips | White Fly &Thrips | White Fly &Thrips |
| Disease (Powdery Mildew, Downey Mildew, Late Blight, Anthracnose, Fruit Rot) | Downey Mildew, Fruit Rot & Anthracnose | Downey Mildew, Fruit Rot & Anthracnose | Downey Mildew, Fruit Rot & Anthracnose | Downey Mildew, Fruit Rot & Anthracnose |
| Soil Salinity | Basic | Basic | Basic | Basic |
| Method of Irrigation | Drip | Drip | Drip | Drip |
| Drought Risk for Irrigation | No | No | No | No |
| Fertilizer and Pesticide used per acre | 240 | 250 | 260 | 270 |
| Whether crop failed or not | No(Less Yield) | No(Less Yield) | No(Less Yield) | No(Less Yield) |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **01-Oct-2021 To 31-Oct-2021** | | | | |
| **Factor** | **Week 1st** | **Week 2nd** | **Week 3rd** | **Week 4th** |
| Rainfall | - | - | - | - |
| High Temperature & Low Humidity | 29oC &65% | 30oC & 54% | 32oC & 50% | 34oC &48% |
| Cold Night | 17oC & 91% | 17oC & 90% | 18oC & 87% | 18oC & 89% |
| High Photosynthetic Light (In Lux) | 40000 | 42000 | 45000 | 45000 |
| Soil pH | 7.5 | 7.9 | 7.9 | 7.9 |
| Soil Moisture | 65% | 70% | 60% | 64% |
| Soil Temperature | Medium | Medium | Medium | Medium |
| Pest (White Fly, Thrips, Mites) | White Fly &Thrips | White Fly &Thrips | White Fly &Thrips | White Fly &Thrips |
| Disease (Powdery Mildew, Downey Mildew, Late Blight, Anthracnose, Fruit Rot) | Powdery Mildew, Fruit Rot & Anthracnose | Powdery Mildew, Fruit Rot & Anthracnose | Powdery Mildew, Fruit Rot & Anthracnose | Powdery Mildew, Fruit Rot & Anthracnose |
| Soil Salinity | Basic | Basic | Basic | Basic |
| Method of Irrigation | Drip | Drip | Drip | Drip |
| Drought Risk for Irrigation | No | No | No | No |
| Fertilizer and Pesticide used per acre | 280 | 285 | 290 | 300 |
| Whether crop failed or not | No(Less Yield) | No(Less Yield) | No(Less Yield) | No(Less Yield) |

**Actual Yield – 16M.T**

**Capsicum - 3**

1. **Crop :-**  Capsicum
2. **Farm :-** KVK, CoE
3. **Crop Duration :-** 6 Months
4. **Date of Transplanting :-**12-01-2020 To 29-06-2020
5. **Expected Yield :-** 22 MT.
6. **Week wise factors affecting on crop growth & Yield** :-

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **01-Jan-2020 To 30-Jan-2020** | | | | |
| **Factor** | **Week 1st** | **Week 2nd** | **Week 3rd** | **Week 4th** |
| Rainfall | - | - | - | - |
| High Temperature & Low Humidity | 27oC & 72% | 27oC & 73% | 30oC & 60% | 28oC & 72% |
| Cold Night | 19oC & 92% | 19oC & 91% | 18oC & 87% | 19oC & 89% |
| High Photosynthetic Light (In Lux) | 23000 | 24000 | 26000 | 25000 |
| Soil pH | 8.2 | 8.2 | 8.2 | 8.5 |
| Soil Moisture | 60% | 67% | 65% | 63% |
| Soil Temperature | Low | Low | Low | Low |
| Pest (White Fly, Thrips, Mites) | Thrips& Mites | Thrips& Mites | Thrips& Mites | Thrips& Mites |
| Disease (Powdery Mildew, Downey Mildew) | Powdery Mildew | Powdery Mildew | Powdery Mildew | Powdery Mildew |
| Soil Salinity | Basic | Basic | Basic | Basic |
| Method of Irrigation | Drip | Drip | Drip | Drip |
| Drought Risk for Irrigation | No | No | No | No |
| Fertilizer and Pesticide used per acre | 90 | 110 | 120 | 135 |
| Whether crop failed or not | No | No | No | No |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **01-Feb-2020 To 29-Feb-2020** | | | | |
| **Factor** | **Week 1st** | **Week 2nd** | **Week 3rd** | **Week 4th** |
| Rainfall | - | - | - | - |
| High Temperature & Low Humidity | 30oC & 80% | 32oC & 75% | 33oC &80% | 32oC &75% |
| Cold Night | 20oC & 85% | 19oC & 84% | 20oC & 86% | 20oC & 87% |
| High Photosynthetic Light (In Lux) | 35000 | 35000 | 37000 | 38000 |
| Soil pH | 8.5 | 8.5 | 8.5 | 8.5 |
| Soil Moisture | 70% | 70% | 70% | 70% |
| Soil Temperature | Medium | Medium | Medium | Medium |
| Pest (White Fly, Thrips, Mites) | Thrips, Mite & White Fly | Thrips, Mite & White Fly | Thrips, Mite & White Fly | Thrips, Mite & White Fly |
| Disease (Early Blight, Anthracnose) | Early Blight & Anthracnose | Early Blight & Anthracnose | Early Blight & Anthracnose | Early Blight & Anthracnose |
| Soil Salinity | Basic | Basic | Basic | Basic |
| Method of Irrigation | Drip | Drip | Drip | Drip |
| Drought Risk for Irrigation | No | No | No | No |
| Fertilizer and Pesticide used per acre | 140 | 145 | 150 | 155 |
| Whether crop failed or not | No | No | No | No |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **01-Mar-2020 To 31-Mar-2020** | | | | |
| **Factor** | **Week 1st** | **Week 2nd** | **Week 3rd** | **Week 4th** |
| Rainfall | - | - | - | - |
| High Temperature & Low Humidity | 32oC &55% | 33oC & 57% | 33oC & 56% | 34oC & 60% |
| Cold Night | 25oC & 67% | 26oC &68% | 26oC & 70% | 26oC &70% |
| High Photosynthetic Light (In Lux) | 39000 | 39000 | 42000 | 45000 |
| Soil pH | 8.9 | 8.9 | 8.9 | 8.9 |
| Soil Moisture | 53% | 55% | 54% | 55% |
| Soil Temperature | High | High | High | High |
| Pest (Aphids, Jassids, Mites) | Aphids, Jassids& Mites | Aphids, Jassids& Mites | Aphids, Jassids& Mites | Aphids, Jassids& Mites |
| Disease (Anthracnose, Fruit Scaring) | Anthracnose &Fruit Scaring | Anthracnose & Fruit Scaring | Anthracnose & Fruit Scaring | Anthracnose & Fruit Scaring |
| Soil Salinity | Sodic | Sodic | Sodic | Sodic |
| Method of Irrigation | Drip | Drip | Drip | Drip |
| Drought Risk for Irrigation | No | No | No | No |
| Fertilizer and Pesticide used per acre | 160 | 160 | 165 | 165 |
| Whether crop failed or not | No | No | No | No |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **01-Apr-2020 To 30-Apr-2020** | | | | |
| **Factor** | **Week 1st** | **Week 2nd** | **Week 3rd** | **Week 4th** |
| Rainfall | - | - | - | - |
| High Temperature & Low Humidity | 38oC & 54% | 37oC & 55% | 38oC & 55% | 38oC & 54% |
| Cold Night | 27oC &65% | 27oC &62% | 28oC &60% | 28oC &62% |
| High Photosynthetic Light (In Lux) | 46000 | 47000 | 47000 | 49000 |
| Soil pH | 8.7 | 8.7 | 8.7 | 8.7 |
| Soil Moisture | 54% | 52% | 49% | 49% |
| Soil Temperature | High | High | High | High |
| Pest (White Fly, Thrips, Mites) | Thrips, Mite & White Fly | Thrips, Mite & White Fly | Thrips, Mite & White Fly | Thrips, Mite & White Fly |
| Disease (Fruit Rot, Early Blight, Fruit Scaring) | Fruit Rot, Early Blight & Fruit Scaring | Fruit Rot, Early Blight & Fruit Scaring | Fruit Rot, Early Blight & Fruit Scaring | Fruit Rot, Early Blight & Fruit Scaring |
| Soil Salinity | Alkaline | Alkaline | Alkaline | Alkaline |
| Method of Irrigation | Drip | Drip | Drip | Drip |
| Drought Risk for Irrigation | No | No | No | No |
| Fertilizer and Pesticide used per acre | 180 | 200 | 220 | 220 |
| Whether crop failed or not | No | No | No | No |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **01-May-2020 To 31-May-2020** | | | | |
| **Factor** | **Week 1st** | **Week 2nd** | **Week 3rd** | **Week 4th** |
| Rainfall | - | - | - | - |
| High Temperature & Low Humidity | 38oC & 42% | 38oC & 45% | 38oC & 45% | 39oC & 40% |
| Cold Night | 30oC & 50% | 29oC & 52% | 30oC & 52% | 30oC & 50% |
| High Photosynthetic Light (In Lux) | 50000 | 50000 | 52000 | 52000 |
| Soil pH | 8.7 | 8.7 | 8.7 | 8.7 |
| Soil Moisture | 40% | 43% | 40% | 40% |
| Soil Temperature | High | High | High | High |
| Pest (White Fly, Thrips, Mites) | Thrips& Mite | Thrips& Mite | Thrips& Mite | Thrips& Mite |
| Disease (Powdery Mildew, Downey Mildew, Late Blight, Anthracnose, Bloosom End Rot) | Bloosom End Rot | Bloosom End Rot | Bloosom End Rot | Bloosom End Rot |
| Soil Salinity | Sodic | Sodic | Sodic | Sodic |
| Method of Irrigation | Drip | Drip | Drip | Drip |
| Drought Risk for Irrigation | No | No | No | No |
| Fertilizer and Pesticide used per acre | 225 | 230 | 250 | 255 |
| Whether crop failed or not | No(Less Yield) | No(Less Yield) | No(Less Yield) | No(Less Yield) |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **01-Jun-2020 To 30-Jun-2020** | | | | |
| **Factor** | **Week 1st** | **Week 2nd** | **Week 3rd** | **Week 4th** |
| Rainfall | 40 mm | 50 mm | 50 mm | 70 mm |
| High Temperature & Low Humidity | 30oC & 60% | 28oC & 65% | 29oC & 65% | 28oC & 60% |
| Cold Night | 22oC & 75% | 23oC & 72% | 21oC & 76% | 22oC & 74% |
| High Photosynthetic Light (In Lux) | 35000 | 34000 | 32000 | 37000 |
| Soil pH | 8.3 | 8.3 | 8.2 | 8.2 |
| Soil Moisture | 55% | 53% | 54% | 56% |
| Soil Temperature | Medium | Medium | Medium | Medium |
| Pest (White Fly, Thrips, Mites) | Thrips& White Fly | Thrips& White Fly | Thrips& White Fly | Thrips& White Fly |
| Disease (Powdery Mildew, Downey Mildew, Late Blight, Fruit Rot, Alternaria) | Alternaria | Alternaria | Alternaria | Alternaria |
| Soil Salinity | Alkaline | Alkaline | Alkaline | Alkaline |
| Method of Irrigation | Drip | Drip | Drip | Drip |
| Drought Risk for Irrigation | No | No | No | No |
| Fertilizer and Pesticide used per acre | 260 | 265 | 270 | 275 |
| Whether crop failed or not | No(Less Yield) | No(Less Yield) | No(Less Yield) | No(Less Yield) |

**Actual Yield –15 M.T**

**Capsicum - 4**

1. **Crop :-**  Capsicum
2. **Farm :-** KVK, CoE
3. **Crop Duration :-** 6 Months
4. **Date of Transplanting :-**06-07-2019 To 23-12-2019
5. **Expected Yield :-** 22 MT.
6. **Week wise factors affecting on crop growth & Yield** :-

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **01-Jul-2019 To 31-Jul-2019** | | | | |
| **Factor** | **Week 1st** | **Week 2nd** | **Week 3rd** | **Week 4th** |
| Rainfall | 70 mm | 90 mm | 100 mm | 130 mm |
| High Temperature & Low Humidity | 27oC & 65% | 28oC & 72% | 28oC & 70% | 29oC & 70% |
| Cold Night | 22oC & 86% | 21oC &87% | 22oC & 85% | 21oC & 85% |
| High Photosynthetic Light (In Lux) | 28000 | 29000 | 31000 | 32000 |
| Soil pH | 7.8 | 7.8 | 7.8 | 7.8 |
| Soil Moisture | 80% | 80% | 80% | 80% |
| Soil Temperature | Low | Low | Low | Low |
| Pest (Fruit Fly, Thrips, Mites) | Fruit Fly | Fruit Fly | Fruit Fly | Fruit Fly |
| Disease (Powdery Mildew, Downey Mildew) | Downey Mildew | Downey Mildew | Downey Mildew | Downey Mildew |
| Soil Salinity | Basic | Basic | Basic | Basic |
| Method of Irrigation | Drip | Drip | Drip | Drip |
| Drought Risk for Irrigation | No | No | No | No |
| Fertilizer and Pesticide used per acre | 60 | 65 | 75 | 80 |
| Whether crop failed or not | No | No | No | No |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **01-Aug-2019 To 31-Aug-2019** | | | | |
| **Factor** | **Week 1st** | **Week 2nd** | **Week 3rd** | **Week 4th** |
| Rainfall | 120 mm | 150 mm | 145 mm | 140 mm |
| High Temperature & Low Humidity | 26oC & 73% | 27oC & 75% | 27oC & 72% | 29oC & 78% |
| Cold Night | 20oC &84% | 19oC & 80% | 19oC & 78% | 19oC & 80% |
| High Photosynthetic Light (In Lux) | 30000 | 32000 | 35000 | 34000 |
| Soil pH | 7.6 | 7.6 | 7.6 | 7.6 |
| Soil Moisture | 90% | 88% | 89% | 88% |
| Soil Temperature | Low | Low | Low | Low |
| Pest (Fruit Fly, Thrips, Mites) | Fruit Fly&Thrips | Fruit Fly &Thrips | Fruit Fly &Thrips | Fruit Fly &Thrips |
| Disease (Powdery Mildew, Fruit Rot, Late Blight) | Late Blight & Fruit Rot | Late Blight & Fruit Rot | Late Blight & Fruit Rot | Late Blight & Fruit Rot |
| Soil Salinity | Basic | Basic | Basic | Basic |
| Method of Irrigation | Drip | Drip | Drip | Drip |
| Drought Risk for Irrigation | No | No | No | No |
| Fertilizer and Pesticide used per acre | 85 | 90 | 95 | 100 |
| Whether crop failed or not | No | No | No | No |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **01-Sep-2019 To 30-Sep-2019** | | | | |
| **Factor** | **Week 1st** | **Week 2nd** | **Week 3rd** | **Week 4th** |
| Rainfall | 180 mm | 200 mm | 70 mm | 50 mm |
| High Temperature & Low Humidity | 25oC & 75% | 26oC & 77% | 27oC & 70% | 29oC & 70% |
| Cold Night | 18oC &90% | 19oC & 88% | 19oC & 90% | 18oC & 85% |
| High Photosynthetic Light (In Lux) | 36000 | 38000 | 36000 | 37000 |
| Soil pH | 7.9 | 7.9 | 7.9 | 7.9 |
| Soil Moisture | 90% | 88% | 70% | 75% |
| Soil Temperature | Medium | Medium | Medium | Medium |
| Pest (White Fly, Thrips, Fruit Fly, Mites) | Fruit Fly, Thrips& White Fly | Fruit Fly, Thrips& White Fly | Fruit Fly, Thrips& White Fly | Fruit Fly, Thrips& White Fly |
| Disease (Powdery Mildew, Downey Mildew, Late Blight, Alterneria, Fruit Rot) | Late Blight &Alterneria | Late Blight &Alterneria | Late Blight &Alterneria | Late Blight &Alterneria |
| Soil Salinity | Basic | Basic | Basic | Basic |
| Method of Irrigation | Drip | Drip | Drip | Drip |
| Drought Risk for Irrigation | No | No | No | No |
| Fertilizer and Pesticide used per acre | 110 | 115 | 120 | 125 |
| Whether crop failed or not | No | No | No | No |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **01-Oct-2019 To 31-Oct-2019** | | | | |
| **Factor** | **Week 1st** | **Week 2nd** | **Week 3rd** | **Week 4th** |
| Rainfall | 48 mm | 20 mm | - | - |
| High Temperature & Low Humidity | 30oC & 60% | 32oC & 65% | 34oC & 60% | 35oC & 65% |
| Cold Night | 22oC &85% | 21oC & 86% | 21oC & 85% | 22oC & 85% |
| High Photosynthetic Light (In Lux) | 39000 | 42000 | 41000 | 42000 |
| Soil pH | 8.0 | 8.0 | 8.0 | 8.0 |
| Soil Moisture | 65% | 68% | 64% | 65% |
| Soil Temperature | Medium | Medium | Medium | Medium |
| Pest (White Fly, Thrips, Mites) | Mites &Thrips | Mites &Thrips | Mites &Thrips | Mites &Thrips |
| Disease (Powdery Mildew, Downey Mildew, Late Blight, Anthracnose, Fruit Rot) | Powdery Mildew &Downey Mildew | Powdery Mildew & Downey Mildew | Powdery Mildew & Downey Mildew | Powdery Mildew & Downey Mildew |
| Soil Salinity | Alkaline | Alkaline | Alkaline | Alkaline |
| Method of Irrigation | Drip | Drip | Drip | Drip |
| Drought Risk for Irrigation | No | No | No | No |
| Fertilizer and Pesticide used per acre | 135 | 140 | 150 | 160 |
| Whether crop failed or not | No | No | No | No |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **01-Nov-2019 To 30-Nov-2019** | | | | |
| **Factor** | **Week 1st** | **Week 2nd** | **Week 3rd** | **Week 4th** |
| Rainfall | - | - | - | - |
| High Temperature & Low Humidity | 32oC & 62% | 31oC & 65% | 30oC & 67% | 30oC & 66% |
| Cold Night | 25oC &70% | 24oC & 76% | 25oC & 74% | 26oC & 70% |
| High Photosynthetic Light (In Lux) | 40000 | 39000 | 41000 | 43000 |
| Soil pH | 8.0 | 8.0 | 8.0 | 8.0 |
| Soil Moisture | 55% | 54% | 58% | 57% |
| Soil Temperature | Medium | Medium | Medium | Medium |
| Pest (White Fly, Thrips, Mites) | Thrips& White Fly | Thrips& White Fly | Thrips& White Fly | Thrips& White Fly |
| Disease (Powdery Mildew, Downey Mildew, Late Blight, Anthracnose, Fruit Rot) | Downey Mildew | Downey Mildew | Downey Mildew | Downey Mildew |
| Soil Salinity | Alkaline | Alkaline | Alkaline | Alkaline |
| Method of Irrigation | Drip | Drip | Drip | Drip |
| Drought Risk for Irrigation | No | No | No | No |
| Fertilizer and Pesticide used per acre | 170 | 180 | 200 | 220 |
| Whether crop failed or not | No | No | No | No |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **01-Dec-2019 To 31-Dec-2019** | | | | |
| **Factor** | **Week 1st** | **Week 2nd** | **Week 3rd** | **Week 4th** |
| Rainfall | - | - | - | - |
| High Temperature & Low Humidity | 27oC & 70% | 26oC & 67% | 24oC & 70% | 25oC & 70% |
| Cold Night | 20oC &80% | 19oC & 87% | 19oC & 80% | 19oC & 85% |
| High Photosynthetic Light (In Lux) | 36000 | 34000 | 35000 | 34000 |
| Soil pH | 8.2 | 8.2 | 8.2 | 8.2 |
| Soil Moisture | 55% | 58% | 56% | 55% |
| Soil Temperature | Medium | Medium | Medium | Medium |
| Pest (White Fly, Thrips, Mites) | Thrips, Mites & White Fly | Thrips, Mites & White Fly | Thrips, Mites & White Fly | Thrips, Mites & White Fly |
| Disease (Gummy Stem Blight, Late Blight, Anthracnose, Fruit Rot) | Gummy Stem Blight | Gummy Stem Blight | Gummy Stem Blight | Gummy Stem Blight |
| Soil Salinity | Alkaline | Alkaline | Alkaline | Alkaline |
| Method of Irrigation | Drip | Drip | Drip | Drip |
| Drought Risk for Irrigation | No | No | No | No |
| Fertilizer and Pesticide used per acre | 225 | 230 | 250 | 260 |
| Whether crop failed or not | No (Less Yield) | No (Less Yield) | No (Less Yield) | No (Less Yield) |

**Actual Yield – 12M.T**