

Disease calendar for foliar diseases of som

| Diseases | Location | Apr | May | Jun | July | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar |
|--|----------|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|
| Leaf spot (<i>Phyllosticta perseae</i>) | UPA | | | | | | | | | | | | |
| | LWA | | | | | | | | | | | | |
| | WB | | | | | | | | | | | | |
| Anthracnose (<i>Colletotrichum gloeosporioides</i>) | UPA | | | | | | | | | | | | |
| | LWA | | | | | | | | | | | | |
| | WB | | | | | | | | | | | | |
| Grey blight (<i>Pestalotiopsis desiminata</i>) | UPA | | | | | | | | | | | | |
| | LWA | | | | | | | | | | | | |
| | WB | | | | | | | | | | | | |

UPA- Upper Assam, LWA-Lower Assam, WB- West Bengal

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| | |
|--|----------------|
| | >10 % |
| | <10 % |
| | > 5 % |
| | < 1 % |
| | No Infestation |

Spray 0.03% Copper oxi- chloride (Anthracnose) / 0.01%
Carbendazime (Grey blight)

Time for taking precaution/control measures

ETL >5 PDI

Disease calendar for foliar diseases of soalu

| Diseases | Location | Apr | May | Jun | July | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar |
|---|----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Red rust (<i>Cephaleuros parasiticus</i> Karst) | UPA | Light Green | Light Green | Light Green | Light Green | Light Green | Light Green | Light Green | Light Green | Light Green | Light Green | Light Green | Light Green |
| | LWA | Light Green | Light Green | Light Green | Light Green | Light Green | Light Green | Light Green | Light Green | Light Green | Light Green | Light Green | Light Green |
| | WB | Light Green | Light Green | Light Green | Light Green | Light Green | Light Green | Light Green | Light Green | Light Green | Light Green | Light Green | Light Green |
| Brown blight (<i>Colletotrichum gloeosporioides</i>) | UPA | Dark Green | Dark Green | Light Green | Light Green | Light Green | Light Green | Light Green | Light Green | Light Green | Light Green | Light Green | Light Green |
| | LWA | Light Green | Light Green | Light Green | Light Green | Light Green | Light Green | Light Green | Light Green | Light Green | Light Green | Light Green | Light Green |
| | WB | Light Green | Light Green | Light Green | Light Green | Light Green | Light Green | Light Green | Light Green | Light Green | Light Green | Light Green | Light Green |
| Grey blight (<i>Pestalotiopsis thea</i>) | UPA | Light Green | Light Green | Light Green | Light Green | Light Green | Light Green | Light Green | Light Green | Light Green | Light Green | Light Green | Light Green |
| | LWA | Light Green | Light Green | Light Green | Light Green | Light Green | Light Green | Light Green | Light Green | Light Green | Light Green | Light Green | Light Green |
| | WB | Light Green | Light Green | Light Green | Light Green | Light Green | Light Green | Light Green | Light Green | Light Green | Light Green | Light Green | Light Green |

UPA- Upper Assam, LWA-Lower Assam, WB- West Bengal

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| | |
|-------------|----------------|
| Red | >10 % |
| Dark Green | <10 % |
| Light Green | > 5 % |
| Light Green | < 1 % |
| Light Green | No Infestation |

Spray 5% phytoblighon

Spray 0.01% Mancozeb

Time for taking precaution/control measures

ETL >5 PDI

Pests calendar for muga host plants

| Pests | Locations | Apr | May | Jun | July | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar |
|--|-----------|------------|------------|-------|-------|-------|-----|-----|------------|------------|-------|-------|------------|
| Stem borer (<i>Zeuzera indica</i>) | UPA | Light Pink | Light Pink | Brown | Brown | Brown | Red | Red | Red | Light Pink | Brown | Brown | Brown |
| | LWA | Light Pink | Light Pink | Brown | Brown | Brown | Red | Red | Red | Light Pink | Brown | Brown | Brown |
| | WB | Light Pink | Light Pink | Brown | Brown | Brown | Red | Red | Red | Light Pink | Brown | Brown | Brown |
| Leaf gall (<i>Pauropsylla beelsoni</i> & <i>Aspondylia sp</i>) | UPA | Red | Red | Green | Green | White | Red | Red | Light Pink | White | White | White | Light Pink |
| | LWA | Red | Red | Green | Green | White | Red | Red | Light Pink | White | White | White | Light Pink |
| | WB | Red | Red | Green | Green | White | Red | Red | Light Pink | White | White | Black | Light Pink |

UPA- Upper Assam, LWA- Lower Assam, WB- West Bengal

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| | |
|--|----------------|
| | >10 % |
| | <10 % |
| | > 5 % |
| | < 1 % |
| | No Infestation |

Time for taking precaution/control measures

Pluck and destroy the infested leaves.

Plugging of borer holes with cotton swab soaked in 5-15% plant extract of Pochotia / Neem / Titabahak can be controlled up to level of 80% infestation

ETL >5 PDI

Disease calendar for muga silkworm

| Diseases | Location | Apr | May | Jun | July | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar |
|-----------|----------|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|
| Fungal | UPA | | | | | | | | | | | | |
| | LWA | | | | | | | | | | | | |
| | WB | | | | | | | | | | | | |
| Bacterial | UPA | | | | | | | | | | | | |
| | LWA | | | | | | | | | | | | |
| | WB | | | | | | | | | | | | |
| Viral | UPA | | | | | | | | | | | | |
| | LWA | | | | | | | | | | | | |
| | WB | | | | | | | | | | | | |

| | |
|--|----------------|
| | >10 % |
| | <10 % |
| | > 5 % |
| | < 1 % |
| | No rearing |
| | No Infestation |

- Properly Disinfect the rearing field.
- Follow the proper pruning schedule.
- Select healthy and disease free eggs.
- Provide age specific leaves.

Time for taking precaution/control measures

Spray LAHDOI and choose sunny place

Pest calendar for muga silkworm

| Diseases | Locations | Apr | May | Jun | July | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar |
|----------|-------------|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|
| Uzi | Upper Assam | | | | | | | | | | | | |
| | Lower Assam | | | | | | | | | | | | |
| | West bengal | | | | | | | | | | | | |

| | |
|--|----------------|
| | >10 % |
| | <10 % |
| | > 5 % |
| | < 1 % |
| | No rearing |
| | No Infestation |

Time for taking precaution/control measures

Preventive/control Measures:

- Use Nylon net
- Release hyper-parasitoid