Appendix D
Bush appearance:
- Sick or wilting
- Whole bush dies suddenly
- Part of bush dies suddenly
- Bush dies gradually
- Part of bush dies gradually
- Normal

Leaf appearance:
- Curl or bent over
- Withered leaf remains attached
- Top leaves pale yellow
- Green leaves dropping
- Leaves folded pale and drops
- Spots and patches on surfaces
- Thread or film or lump on surfaces
- Dropped leaves attached together
- Normal

Leaf colour:
- Yellowish brown
- Yellowish brown and grey
- Yellowish
- Reddish
- Bright reddish brown
- Green to reddish
- Pale
- Normal

Primary findings on stem:
- Stem die back
- Stem breaks off
- Threads of mycelium
- White powdery patches
- Lumps or cushions
- Tiny globules
- Smooth velvety felts
- Lesions
- Encrustation
- Ear-like bracket
- Normal

Primary findings on collar region:
- Mycelium growth
- Encrustation
- Bracket-like growth
- Shot or thorn-like growth
- Normal

Please supply the General observations.

Please supply the findings on stem and collar region.

Primary Diagnosis >>
Possible Primary Diagnosis:

Leaf disease ...... Positive

Please be careful about the following points:

This system proceeds for Final Diagnosis for Leaf, Stem and Root diseases which requires very careful observations in the following cases:

1. In case of leaf, spots, patches, myceliums and lumps on lower and upper surfaces are to be observed.
2. In case of stem, myceliums, lesions, lumps and other observations are to be noted.
3. Observations on collar region are also very important for stem and root diseases...
4. In case of root, after primary diagnosis, drag out the bush and observe the root surface, wood of the root after bark peeled away and knife cut on root.
WL - 1

**Spot on upper leaf**
- Yellowish
- Greyish
- Greyish white
- Concealed
- No spots

**Upper patch symptom**
- Patches with raised wavy margin
- Zonated towards edge with watery ring
- Greyish patch with black dots
- Circular or oval with concentric zonation
- Black pustules in concentric lines
- Patches with greyish centered
- Patch with swollen and purplish margin
- None

**Colour of upper patches**
- Brown
- Brown and grey
- Reddish brown
- Light brown
- Chocolate brown
- Black when wet
- Black
- Yellowish
- No spots

**Upper leaf film**
- Black and wooly
- Black and powdery
- Film peels off when dry
- No film

WL - 2

**Lower leaf spot**
- White and powdery
- Convex white and powdery
- Convex pink and powdery
- No spot

**Lower leaf patches**
- Brown
- Reddish brown
- Light brown
- Greyish white
- Grey with black dots
- White and dusted
- Reddish brown with white tufts
- No patch

**Film of lumps on lower surface**
- Wooly and pinkish white
- Wooly and cream
- Wooly and brown
- Fan-like film
- Chalk white branching three
- Yellowish red lumps
- Orange red lumps
- Pinkish red lumps
- No film or lump

This window (WL-1) accepts input of the observations from upper leaf surface. There is another window (WL-2) for observations from lower leaf surface.

This is the 2nd window for input of the observations found from the lower surface of the leaves.
Final Diagnosis:

Bilster Blight ..... diagnosed

Chemical and Cultural Advices

Spray 0.25 % (i) Copper oxychloride 50% WP or (ii) Carboxin 75 % WP or (iii) Carbendazim 50 % WP or any other, at an interval of 7 to 10 days.

Remove all dead and dying branches with sharp knives.....

Skiff or prune the section....

Apply COC and bitumen paint on cut surface.....

Trichoderma bioformulation [ 10 % aqua] is very effective.....

Try to protect medium pruned tea from sunscorch.....

Protect labour movement from affected area to the unaffected area...

Please follow the advices which are practically applicable to you.