

WILT DISEASE OF ARHAR

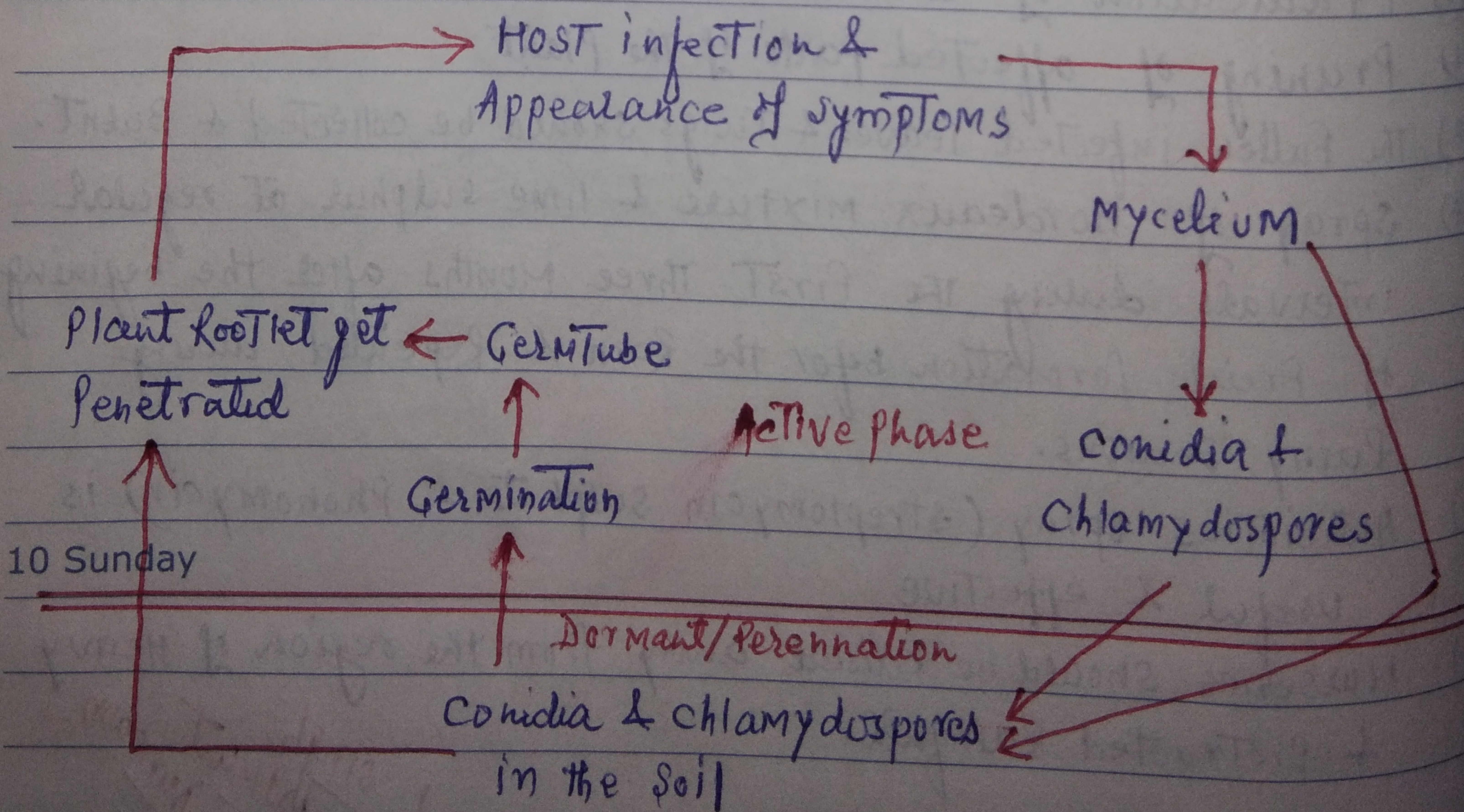
Causal organism → Fusarium oxysporum

The mycelium of this fungus is septate & branched. The hyphae is both intercellular & intracellular.

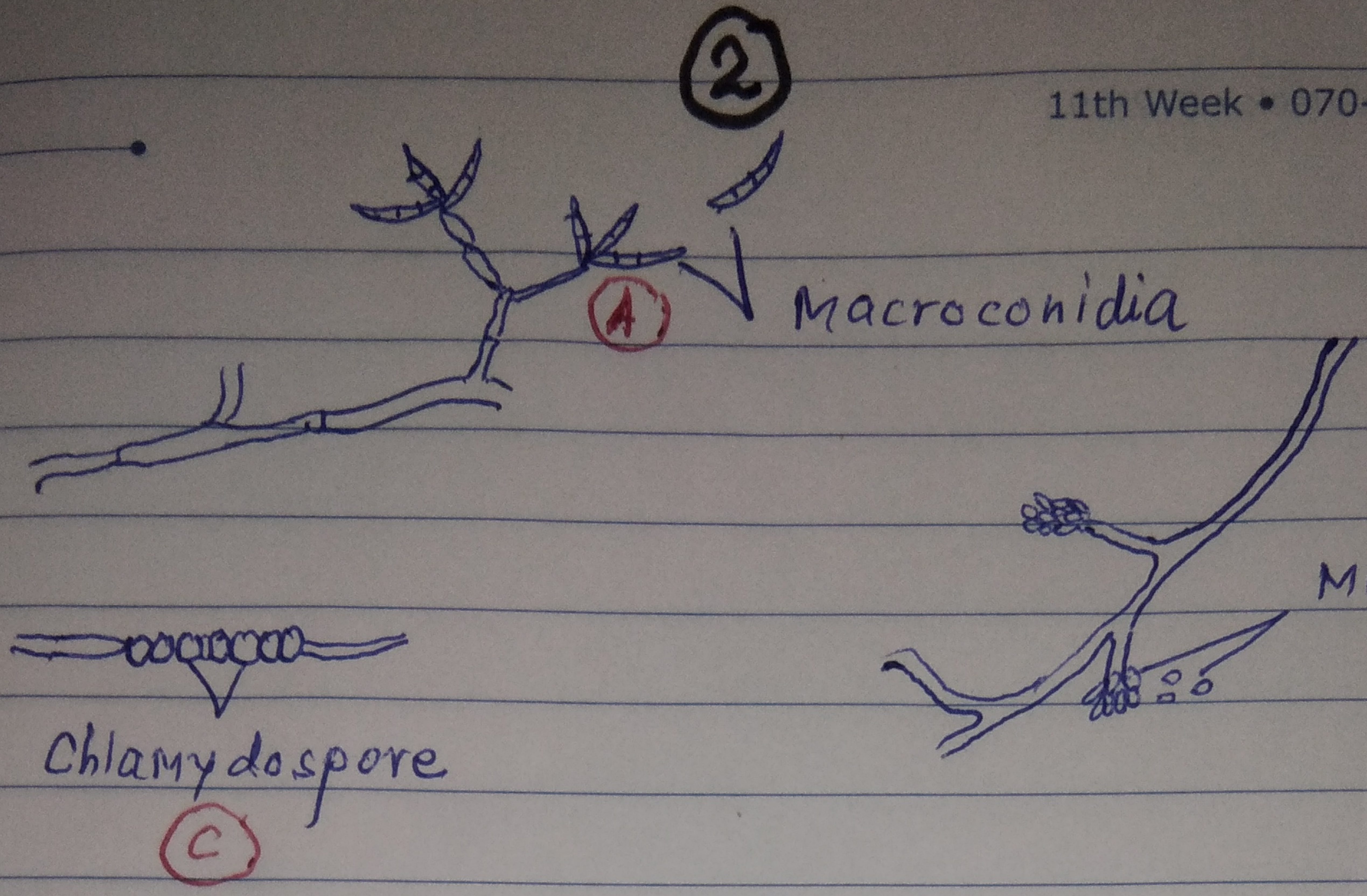
Symptoms -

- (1) Wilting of seedlings & Adult plants.
- (2) Wilting is Gradual or sudden yellowing, withering & drying of leaves followed by entire plants or some of its branches.
- (3) Wilting occurs by the plugging of the vascular tissue of the stem & roots of the host plant by dense masses of mycelia hyphae.

Disease cycle -



→ It is a soil borne disease caused by micro/macroconidia/Chlamydospore/



- Macroconidia are Long Sickle Shaped, Septate (3-4 septa) Pointed at ends.
- Microconidia are Generally unicellular sometime with one/two Septa
- Chlamydospores are thick walled, rounded/oval shaped formed in the hyphae in chain terminally or intercalary.

Control —

- (1) — Crop rotation as it is soil borne disease.
- (2) — Deep ploughing in summer
- (3) Mixed cropping with Jowar is quite effective
- (4) To sow resistant varieties N.P.15 & N.P.38 are fairly resistant to disease.
- (5) By the use of Antibiotics & chemicals disease can be controlled.

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