- · Phytopathology: Plant +Ailment +Knowledge
- · Microscope Leewenhock
- Father of Mycology (Fungi Study) De Barry
- · Father of Modern Plant Pathology Julious Koon
- Prof Millardet of France discovered Bordeaux mixture for the control of Downey mildew disease

Bunt/Smut - by Fungi









- Blakeslee Heterothallic species have sexes that reside in different individuals
- · Virus Nucleic Acid + Protein
- Fig Tobacco Mosaic
- Lipo Virus
- Animal Virus
- · Plant Virus
- Viroid Potato Spindle Tuber
- · Plant Viroid

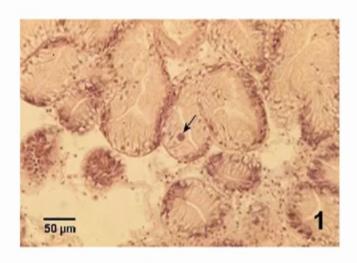


- Plasmid/Episome
- MLO
- Most of the yellow diseases of plants are caused by Mycoplasma (a Genus of Bacteria)
- Father of Modern Plant Pathology in India E J Butler
- B B Mundkur established Indian PhytoPathological Institute and started the Publication of Indian Phytopatholgy in 1948

CANKER



RICKETTSIALIKE ORGANISMS



SPOT



HYPERPLASIA



SCORCH



Barberis, Thalictrum, Bromus sp, Agropyron









SMUT



- · Masked Symptoms
- Spot
- Haustorium
- Biotype
- Toxin
- Bacteriostatic
- · Bacteriophage
- Scorch
- Blotch
- Exudate
- Heterotrophic
- Host
- Etiolation
- scab

VEIN CLEARING





VEIN BANDING



- · Antagonistic symbiosis
- Endemic deisease
- Shot hole
- Heterothallic fungi
- · Vein clearing
- · Vein banding
- Die back
- · Anthracnose
- · Quarantine
- Syndrome
- Transmission
- Conjugation
- Culture
- · Homothallic fungus
- Pustule
- Chlorosis

· Witches Broom, Aester Yellows by Mycoplasma





• Tetracyclin Antibiotic

RING SPOT



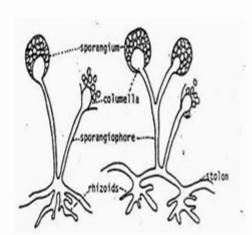
TECHNICAL TERMS

- 1. Blight
- 2. Hyperplasia
- 3. Hypertrophy
- 4. Parthenogenesis
- 5. Rogueing
- 6. Obligate Parasite
- 7. Facultative Parasite
- 8. Facultative Saprophyte
- 9. Damping Off
- 10. Mildew
- 11. Virulent
- 12. Incubation Period
- 13. Ination
- 14. Eradication
- 15. Necrosis

SHOT HOLE



- Gall
- Yellows
- Antigen Antibiosis
- Antibody
- Race
- Phytoalexin Foliocellosis/freching
- Exclusion
- Pleomorphism
- Heteroecious fungus
- Epidemic disease
- Rhizoids
- Downey mildew
- Mosaic



4 stages in life cycle of rust organism

- I. Aecial
- II. Uredial
- III. Telial
- IV. Basidial
- O. Picnial
- Biotypes 1, 2, 3
- Races a, b, c, d

BRIZA MINOR



RUSSETTING



- Antagonistic symbiosis
- Endemic deisease
- Shot hole
- Heterothallic fungi
- Vein clearing Vein banding
- Die back
- Anthracnose
- Quarantine
- Syndrome
- Transmission
- Conjugation
- Culture
- Homothallic fungus
- Pustule
- Chlorosis

- Wilt
- Rugose
- Russeting
- Rickettsialike organisms
- Pathogen Resistance
- Vector
- Disinfectant
- Immunity
- Ring spot
- Virion
- Viroid
- Carrier
- Lesion
- Rot
- Disinfestant

CANKER



ANTHRACNOSE



ETIOLATION



SOOTY MOULD



thallus

/ θaləs/ •()

noun BOTANY

a plant body that is not differentiated into stem and leaves and lacks true roots and a vascular system. Thalli are typical of algae, fungi, lichens, and some liverworts.

WITCHES BROOM



- Alternate host
- Autaceious fungus
- Agar
- Smut
- · Sooty mould
- · Witches broom
- Mycorrhiza
- Fungistatic
- Rust
- Canker
- Plasmogamy
- Physiologic race



NECROSIS



SCAB



RUST IN INDIA

- · Two rusts infesting crop
 - Wheat Leaf Rust and
 - Stripe Rust
- · Three types of hosts
 - Alternate
 - Collateral
 - Primary





RUGOSE



FOLLIOCELLOSIS



BLIGHT



MOSAIC



DAMPING OFF



DIE BACK

