Glossary of Terms (GT), including the key concepts extracted by exploring and analyzing the existing ontologies in agriculture domain.

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| --- | --- |
| **PPOntology** | **Crop PestO** |
| Organism  Microorganism  Bacterium  Fungus  Virus  Pest  Pest Insect  Pest Insect Uncommon  Pest Mite  Pest Nematode  Environmental Condition  Soil Property  Soil Average Water Content  Soil Type  Soil pH  Meteorological Condition  Humidity  Rainfall  Soil Temperature  Soil Water Content  Temperature  Winds  Abnormality  Biotic Disorder  Plant Disease  Plant Bacterioses  Plant Fungal Disease  Plant Viroses  Pest Damage  Insect Damage  Mite Damage  Nematode Damage  Disorder  Abiotic Disorder  Meteorological Stress  Mineral Malnutrition  Cultural Practice  Drainage  Fertilization  Irrigation  Planting Depth  Tillage  Air Pollutant  Plant Parts  Floral Parts | Pests  Bacteria  Fungus  Nematodes  Viroid  Parasitic Plant  Control Methods  Chemical control  Mechanical control  Cultural practices  Biological control  Symptoms |
| **Plant Disease Ontology (PDO)** |
| Causal Agent  Abiotic Causal Agent  Biotic Causal Agent  Bacterial Biotic Causal Agent  Fungal Biotic Causal Agent  Viral Biotic Causal Agent  Host Plant  Plant Disease  Plant Bacterial Disease  Plant Fungal Disease  Plant Viral Disease |
| **The Crop-Pest Ontology** |
| Phathological Process  Abnormal Growth  Damage  Blemish  Boring  Brown Lint  Feeding Damage  Mining  Puncture  Rot |
| **RiceDO** |
| Abnormality  Symptom Abnormality  Death  Discoloration  Dry  Wilt  Lesion  Malform  Spot  Powdery  Pest  Insect  Pest damage  Insect Damage  Symptom Characteristic |
| **TreatO** |
| Biological Control Agent  Bacterial Biological Control Agent  Fungal Biological Control Agent  Viral Biological Control Agent  Chemical Control Agent  Bactericide Chemical Control Agent  Fungicide Chemical Control Agent |
| **Plant-Pathogen Interactions Ontology (PPIO)** | **Phytopathology Ontology** |
| Phenotypic Process  Blight  Canker  Chlorotic Lesion  Gall  Necrotic Lesion  Rotting  Wilting  Soil Type  Environmental Parameter  Moisture Parameter  Nutrient Availability Parameter  Soil Trait  Temperature Range  Plant Pathogen  Host Plant | Environmental Condition  Average Condition  Meteorological Condition  Living Entities  Bacteria  Fungi  Nematodes  Parasitic Plant  Phytoplasmas  Protozoa  Virus  Disease  Bacterial disease  Fungal disease  Miscellaneous Disease  Nematodes Disease  Parasitic Disease  Phytoplasmal Disease  Protozoa Diseases  Virus Disease  Pesticides  Fungicides  Herbicides  Insecticides  Plant  Recommendation  Symptom  Treatment |
| **AgriDPalmOnto** |
| Bunch Flower  DPalm  Environmental Condition  Flowers  Fruit  Inflorescence Flower  Leaf  Nutrient  Pest  Pollen Flower  Raceme Flower  Roots  Stem  Treatment |