**Taxonomic status of viruses**

According to 7th International Committee on Taxonomy of Viruses (ICTV), plant viruses were classified into total of 904 members or tentative members with 70 genera.

Aside from physical data, genome structure and mode of replication are criteria applied in the classification and nomenclature of viruses, including the chemical composition and configuration of the nucleic acid, whether the genome is monopartite or multipartite. The genomic RNA strand of single-stranded RNA viruses is called sense (positive sense, plus sense) in orientation if it can serve as mRNA, and antisense (negative sense, minus sense) if a complementary strand synthesized by a viral RNA transcriptase serves as mRNA. Also considered in viral classification is the site of capsid assembly and in enveloped viruses, the site of envelopment.

**Taxonomy of some viruses**

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| --- | --- | --- | --- |
| **Name of Virus** | **Name of Group** | **Name of Family** | **Particle Morphology** |
| Tobacco Mosaic Virus (TMV) | Tobamo Virus | *Virgoviridae* | Rod |
| Tomato Mosaic Virus (ToMV) | Tobra Virus | *\_* | Rod |
| Potato Yellow Mosaic Virus (PYMV) | Begomo /Gemini virus | *Geminiviridae* | Circular |
| Potato Leaf Roll Virus (PLRV) | Polaro virus | *Luteoviridae* | Isometric |
| Tomato Yellow Leaf Curl Virus (TYLCV) | Begomovirus | *Geminiviridae* | - |
| Cotton Leaf Curl Virus (CLCuV) | Begomo /Gemini virus | *Geminiviridae* | Circular |
| Banana Bunchy Top Virus (BBTV) | Luteo virus | *Luteoviridae* | Isometric |