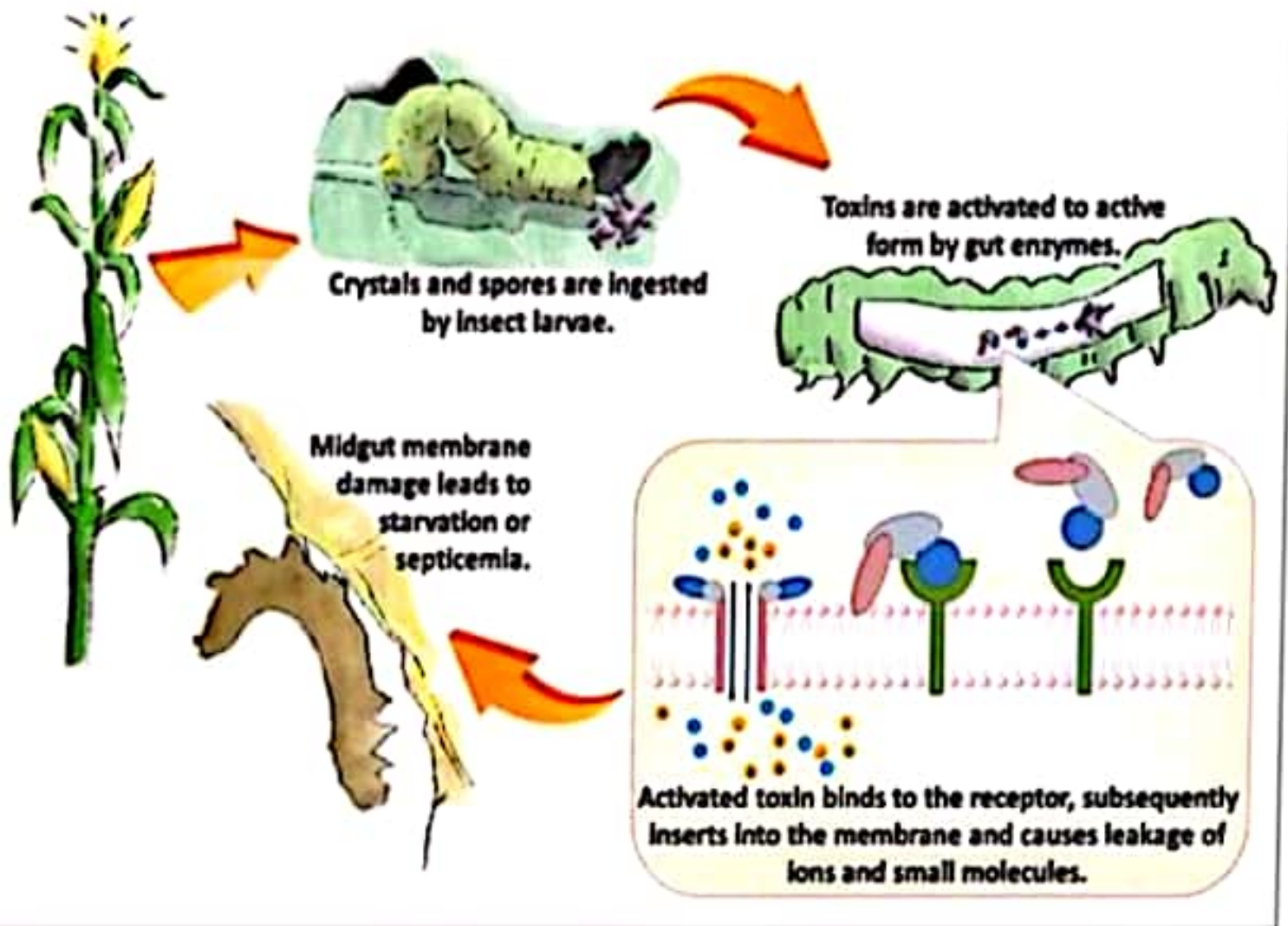


Mode of Action of Bt:

- The sporulated Bt with ICP or spore-ICP complexes must be ingested by a susceptible insect larva followed by solubilisation, and processing from a protoxin to an activated toxin core in the insect digestive fluid.
- The toxin core travels across the peritrophic matrix and the C-terminal region binds to specific receptors called *cadherins* on the brush border membrane of the gut cells, resulting in pore formation by the N-terminal domain.
- Accumulation of toxin oligomers results in toxin insertion in the membrane, pore formation, osmotic cell shock, septicaemia and ultimately *insect death*.



Limitations of Bt Sprays

- Poor Coverage
- Low efficiency
- UV degradable