

ACQUAINTANCE OF INSECTICIDE FORMULATIONS

Why to Formulate Pesticides???

- Pesticides are rarely applied in their technical form.
- They are usually formulated to improve
 - Handling
 - Storage
 - Application
 - Effectiveness
 - Safety

Active Ingredient is rarely suitable for field application. So they are formulated in a manner that increase pesticide effectiveness in the field.

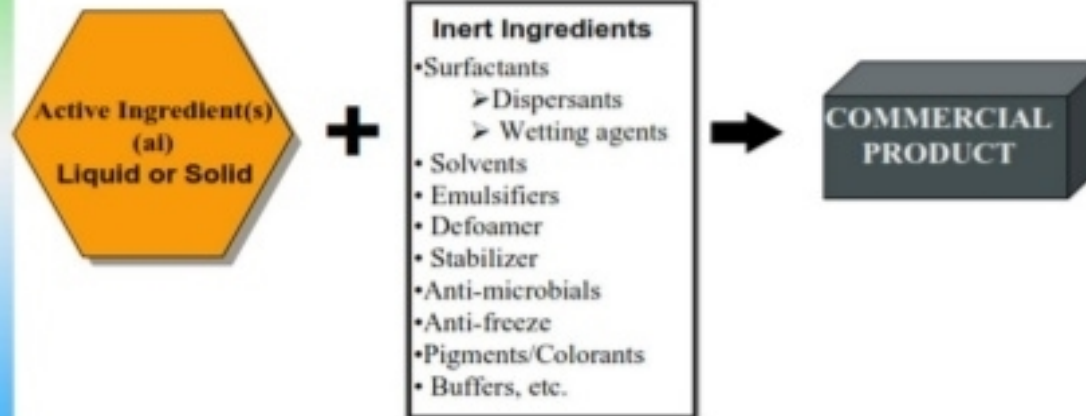
What are pesticide formulations???

A pesticide formulation is a mixture of chemicals which effectively controls a pest. Formulating a pesticide helps to improve its storage, handling, safety, application, or effectiveness. Pesticide products sold as concentrates must be mixed with water, or some other carrier, before being applied.

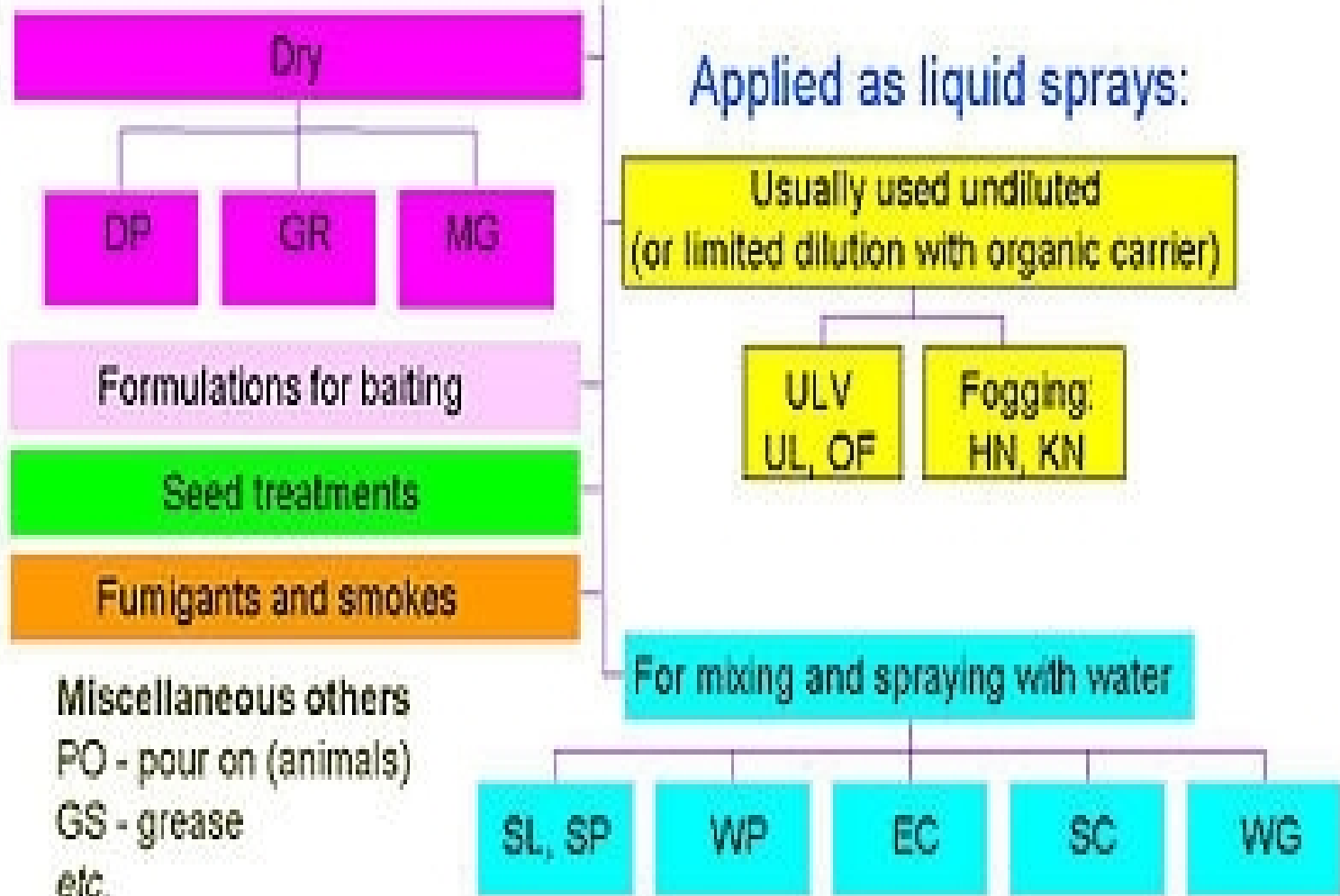
What is a Pesticide Formulation?

A homogeneous and stable mixture of active and inert ingredients which make the final product simpler, safer, and more efficacious to apply to a target pest.

Formulation Development



Formulation types by use

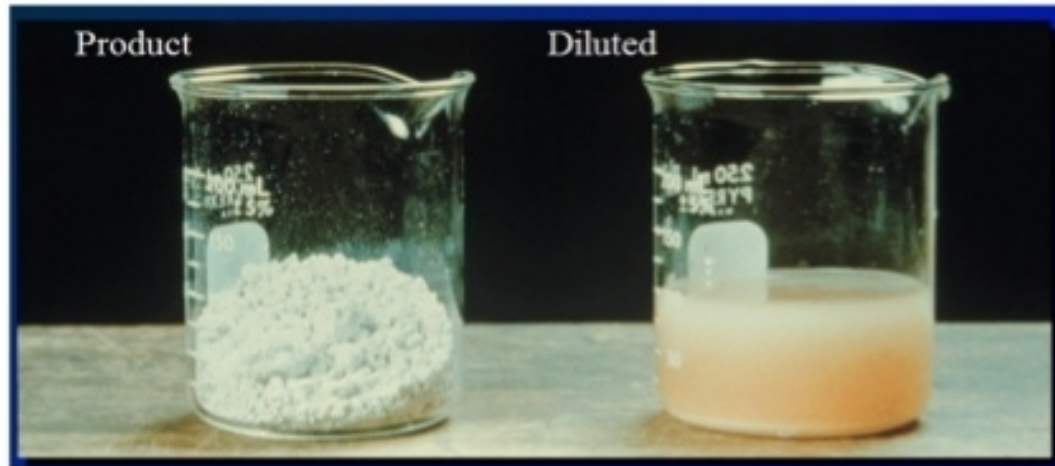


Dry Formulations

- **Dusts (D)**
- **Baits (B)**
- **Granules (G)**
- **Pellets (P or PS)**
- **Wettable Powders (WP or W)**
- **Soluble Powders (SP)**
- **Water-Dispersible Granules (Dry Flowables)**



Wettable Powders (WP or W)



Insect Repellent formulations

