## CHOOSE YOUR FORMULATION

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Pesticides are powerful weapons against diseases, insects and weeds — but they are not interchangeable. Use this table to select the most useful formulation and maximize your applications.

## Pesticide Formulations

Formulation	Advantages	Disadvantages	General Comments
Wettable Powder (WP)	Relatively high concen- centration of pesticides. Low cost. Easy to store, transport and handle. Safe on tender foliage. Usually not absorbed rapidly through skin.	Requires good mechanical agitation. Abrasive. Can cause pump and nozzle wear. Has inhalation haz- ard during mixing. Dried spray drift more visible on off-target objects.	High safety factor to plants during stressful conditions. Applicable for most pests and in most equipment. Good choice when skin ab- sorption is a major concern.
Emulsifiable concentrate (EC)	Easy to measure. Price per pound of active in- gredient usually low. Requires only moderate agitation. Won't settle out. Non-abrasive Low residue visibility.	Easy to over- or under- apply. Combinations of ECs tend to be more phy- totoxic. Easily absorbed through skin. May contain solvents that deteriorate hoses, gaskets, etc.	Very adaptable to many sprayer types. New pro- ducts have low odor.
Flowable (F)	Easy to measure. Low phytotoxicity. Stays in suspension longer than WPs. Is pre-wet. Does not usually clog noz- zles. Good applicator safety when mixing.	Premium cost. Abrasive. Can cause pump and noz- zle wear. Dried spray residue is visible.	Advantage in handling vs. WPs. More adaptable to non-mechanical agitation equipment. Saves time by eliminating the need to pre- wet powder.
Soluble Powder (SP)	Dissolves in water. Re- quires no agitation once mixed into solution. Usually has high pesti- cide concentration.	Applicator exposure in mixing stage. Few pro- ducts available.	Most pesticides are insol- uble in water and, there- fore, true soluble powder products are few.
Granular (G)	Good applicator safety (except when products are dusty). Less drift. Does not stick to foli- age. (Can be disadvan- tage.) Uniform product. Low potential for spill loss.	Low concentration of pest- icide. Not suitable for fol- iage treatment. Easy to store and handle. More expensive on an active in- gredient basis. Sometimes difficult to calibrate due to low concentration.	Generally easy to account for in inventory. Fairly in- expensive application equipment. Applicator training is easy.
Water-disper- sible solution (WDS) or dispersible granule (DG)	Easy to handle. Easy to mix. Good applicator safety when mixing. No inhalation problems.	Abrasive. Requires agita- tion. Cost may be a fac- tor. Should not be mixed with WPs or other clay- containing fomulations.	Adaptable to most sprayers.