

**Table 1. Comparisons between amine and ester formulations of 2,4-D.**

<i>Amine salt</i>	<i>Ester</i>
High water solubility	Generally insoluble in water
Low solubility in oils and waxes	Higher solubility in oils and waxes
Slow absorption into plant leaves	Faster absorption into plant leaves
No or very low volatility potential	Low to high volatility potential
Clear or slightly amber-colored in water	Milky when mixed in water
Does not mix well with liquid fertilizers	More compatible with liquid fertilizers
Less-preferred formulation for no-till burndown applications	Preferred formulation for no-till burndown applications
Reduced probability of crop injury following POST application	Greater probability of crop injury following POST application
Preferred formulation for in-crop (i.e., corn) applications when air temperatures exceed 85 degrees	Less-preferred formulation for in-crop (i.e., corn) applications when air temperatures exceed 85 degrees