

# Chemicals to eliminate for 2012 Cleaner Cotton™

Chemical Name	Chemical Use	Chemical Class	Environmental Guidelines	Toxicity
Acephate/Orthene	Insecticide	organophosphate	Not acutely toxic to very highly toxic to most aquatic animals	Slightly toxic*
Aldicarb/Temik	Insecticide	carbamate	Cholinesterase inhibitor, ground water contaminate, highly toxic to birds, cholinesterase inhibitor	Acute
Chlorpyrifos/ Lorsban	Insecticide, Nematicide	organophosphate	Highly toxic to birds, fish and most animals, suspected endocrine disruptor	High
Diazinon	Insecticide	organophosphate	slightly to very toxic to most aquatic animals, non-persistent to very persistent in water	High
Dicofol/Kelthane	Insecticide	organochlorine	moderate to very highly toxic to most animals, suspected endocrine disruptor, moderately persistent in water	High
Endosulfan/Thiodan	Insecticide	organochlorine	Slightly to very highly toxic to most aquatic animals, moderately persistent in water	High
Metam sodium/Vapam	Fungicide, Herbicide, Microbicide, Nematicide	dithiocarbamate	Highly to very highly toxic to most aquatic animals	High
Naled/Dibrom	Insecticide	organophosphate	Toxic to nervous system, highly toxic to bees, drift and persistence in air are problems	High
Oxamyl/Vydate	Insecticide, Nematicide	N-Methyl Carbamate	Slightly to highly toxic to most aquatic animals	High
Paraquat dichloride/Gramoxone	Herbicide, Defoliant, Desiccator	bipyridylum	Moderately toxic to birds, slightly to non-toxic to most aquatic animals, highly persistent in ground water	High
Phorate/Thimet	Insecticide, Nematicide	organophosphate	Slightly to very highly toxic to most aquatic animals	Acute
Prometryn/Cotton Pro/Caparol	Herbicide	triazine	Persistent in water environments	Slightly toxic*
Propargite/Comite	Insecticide	sulfite ester	Not acutely toxic to very highly toxic to most aquatic animals	High

\*Slightly toxic but persistent in water