

IARC classifications of organophosphate pesticides

Agent	Activity (Current status)	Evidence in humans (Cancer Sites)	Evidence in animals	Mechanistic evidence	Classification
Diazinon	Insecticide (restricted in the USA and EU)	Limited (NHL, leukemia, lung)	Limited	Genotoxicity and oxidative stress	2A
Glyphosate	Herbicide (currently used; highest worldwide production volume herbicide)	Limited (NHL)	Sufficient	Genotoxicity and oxidative stress	2A
Malathion	Insecticide (currently used; high production volume chemical)	Limited (NHL, prostate)	Sufficient	Genotoxicity, oxidative stress, inflammation, receptor-mediated effects, and cell proliferation or death	2A
Parathion	Insecticide (restricted in the USA and EU)	Inadequate	Sufficient		2B
Tetrachlorvinphos	Insecticide (restricted in the EU, and for most uses in the USA)	Inadequate	Sufficient		2B
