

## IARC classifications of organophosphate pesticides

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