

**Table 1.** Recommendations on the uses of selected fungicides, herbicides and insecticides in carrier water of problematic quality. The effects of water hardness and salinity on fungicides and insecticides are poorly studied; thus, the compatibility should be tested before mixing.

Common Names	Brand Names*	Water Quality				
		Acidic (pH < 6)	Alkaline (pH > 8)	Muddy	Hard	Saline
<b>Fungicides:</b>						
azoxystrobin	Heritage	✓	×	NR		
chlorothalonil	Daconil	✓	✓	Test		
ethazole	Terrazole	✓	✓	Test		
fenarimol	Rubigan	✓	✓	✓		
fosetyl Al	Aliette	✓	✓	×		
mancozeb	Manzate	NR	NR	Test		
mefenoxam	Subdue Maxx	✓	Test	Test		
PCNB	Terraclor	✓	Test	NR		
propiconazole	Banner Maxx	✓	✓	Test		
thiophanate methyl	Cleary3336	Test	×	Test		
trifloxystrobin	Compass	Test	Test	NR		
<b>Herbicides:</b>						
2,4-D amine	2, 4-D Amine	Test	NR	✓	×	✓
atrazine	AAtrex	NR	×	Test	✓	×
chlorsulfuron	Corsair	×	✓	✓	✓	✓
clopyralid	Lontrel	Test	×	✓	×	✓
dicamba	Vanquish	✓	NR	✓	NR	✓
diquat (& paraquat)	Reward	✓	✓	×	✓	✓
glyphosate	RoundUp	✓	Test	×	×	✓

halosulfuron methyl	SedgeHammer	×	✓	✓	✓	✓
MCPA	MCPA	Test	NR	✓	×	×
metsulfuron	Manor	NR	×	✓	✓	✓
sethoxydim	Vantage	✓	✓	✓	✓	✓
simazine	Princep	Test	NR	✓	✓	×
<b>Insecticides:</b>						
acephate	Orthene	✓	×	✓		
bifenthrin	Talstar	✓	✓	×		
carbaryl	Sevin	✓	×	NR		
chlorpyrifos	Dursban	✓	×	×		
clothianidin	Arena	✓	✓	✓		
fipronil	TopChoice	✓	✓	NR		
imidacloprid	Merit	✓	Test	✓		
indoxacarb	Provaunt	✓	×	Test		
»-cyhalothrin	Scimitar	✓	×	×		
spinosad	Conserve	✓	Test	Test		
thiamethoxam	Meridian	✓	Test	✓		
trichlorfon	Dylox	✓	×	✓		

\*Brand names are provided as examples. Mentioning of any products should not be considered as an endorsement.

Key:

✓ = OK.

× = Do not use.

NR = Not recommended but use soon after mixing if there is no alternative.

Test = Test for compatibility.