

## Annex 1: Minimum number of trials to be conducted in the Northern Zone (version , July 2022)

### FUNGICIDES

Crop	Target*	Extrapolations or supportive data partly (underlined) acceptable if the uses are comparable	Minimum number of trials	
			New active substances and new uses	New formulations of registered active substances
Wheat (spring and winter), TRZAS and TRZAW	<i>Zymoseptoria tritici</i> (SEPTTR)	<u>Triticale</u>	6 to 8	3 to 4
	<i>Blumeria graminis f. sp. tritici</i> (ERYSGT)	<u>Triticale, rye, barley, oat</u>	4 to 6	2 to 3
	<i>Puccinia recondita</i> (PUCCRE)	<u>Triticale, rye</u>	4 to 6	2 to 3
	<i>Puccinia striiformis</i> (PUCCST)	<u>Triticale</u>	4 to 6	2 to 3
	<i>Oculimacula yallundae</i> (PSDCHE)	<u>Triticale, rye</u>	4 to 6	2 to 3
	<i>Pyrenophora tritici-repentis</i> (PYRNTR)	<u>Triticale</u>	3 to 5	2 to 3
	<i>Fusarium sp.</i> (head blight) (FUSASP)	<u>Triticale, rye, oat, barley</u>	4 to 6	3 to 4
	<i>Parastagonospora nodorum</i> (LEPTNO)	<u>Triticale</u>	3 to 5	2 to 3
Barley (spring and winter), HORVS and HORVW	<i>Blumeria graminis f. sp. hordei</i> (ERYSGH)	<u>Wheat, triticale, rye, oat</u>	4 to 6	2 to 3
	<i>Pyrenophora teres</i> (PYRNTE)	-	4 to 6	2 to 3
	<i>Rhynchosporium commune</i> (RHYNSE)	<u>Triticale, rye</u>	4 to 6	2 to 3
	<i>Puccinia hordei</i> (PUCCHD)	-	4 to 6	2 to 3

	<i>Ramularia collo-cygni</i> (RAMUCC)	-	3 to 5	2 to 3
	<i>Fusarium sp.</i> (head blight) (FUSASP)	<u>Wheat, oat, triticale and rye</u>	3 to 5	2 to 3
Oat (spring), AVESP	<i>Pyrenophora avenae</i> (PYRNAV)		3 to 5	2 to 3
	<i>Puccinia coronata</i> (PUCCCA)	Ryegrass	3 to 5	2 to 3
	<i>Blumeria graminis f. sp. avenae</i> (ERYSGA)	Triticale, rye, wheat, barley	2 to 3	1 to 2
	<i>Fusarium sp.</i> (head blight) (FUSASP)	Wheat, barley, triticale	2 to 3	1 to 2
Triticale (spring and winter), TTLSO and TTLWI	<i>Blumeria graminis f. sp. tritici</i> (ERYSGT)	Wheat, rye, barley, oat	3 to 5	2 to 3
	<i>Parastagonospora nodorum</i> (LEPTNO)	Wheat, rye	3 to 5	2 to 3
	<i>Puccinia recondita</i> (PUCCRE)	Wheat, rye	3 to 5	2 to 3
	<i>Rhynchosporium secalis</i> (RHYNSE)	Barley, rye	3 to 5	2 to 3
	<i>Puccinia striiformis</i> (PUCCST)	wheat	3 to 5	2 to 3
	<i>Oculimacula yallundae</i> (PSDCHE)	wheat, rye	3 to 5	2 to 3
	<i>Fusarium sp.</i> (head blight) (FUSASP)	wheat, rye, oat, barley	3 to 5	2 to 3
Rye (spring and winter), SECCW and SECCS	<i>Blumeria graminis f. sp. secalis</i> (ERYSGS)	Wheat, triticale, barley, oat	3 to 5	2 to 3
	<i>Parastagonospora nodorum</i> (LEPTNO)	Wheat, triticale	3 to 5	2 to 3
	<i>Puccinia recondita</i> (PUCCRE)	Wheat, triticale	3 to 5	2 to 3
	<i>Rhynchosporium secalis</i> (RHYNSE)	Barley, triticale	3 to 5	2 to 3
	<i>Oculimacula yallundae</i> (PSDCHE)	wheat, triticale	3 to 5	2 to 3
	<i>Fusarium sp.</i> (head blight) (FUSASP)	wheat, triticale, oat, barley	3 to 5	2 to 3

Potato, SOLTU	<i>Phytophthora infestans</i> (PHYTIN)		6 to 8	3 to 4
	<i>Alternaria solani</i> (ALTESO)		6 to 8	3 to 4
Winter oilseed rape, BRSNW	<i>Sclerotinia sclerotiorum</i> (SCLESC)	Other crops attacked by sclerotinia	4 to 6	2 to 3
	<i>Alternaria brassicae</i> (ALTEBA)	Spring oilseed rape, winter and spring turnip rape	4 to 6	2 to 3
	<i>Plenodomus lingam</i> (LEPTMA)	-	4 to 6	2 to 3
	<i>Botryotinia fuckeliana</i> (BOTRCI)	Spring oilseed rape, winter and spring turnip rape	4 to 6	2 to 3
	<i>Pyrenopeziza brassicae</i> (PYRPBR)	Spring oilseed rape, winter and spring turnip rape	4 to 6	2 to 3
Sugar/fodder beet, BEAVA/BEAVC	<i>Ramularia beticola</i> (RAMUBE)	<u>Beetroot</u>	3 to 5	2 to 3
	<i>Uromyces betae</i> (UROMBE)	<u>Beetroot</u>	3 to 5	2 to 3
	<i>Erysiphe betae</i> (ERYSBE)	<u>Beetroot</u>	3 to 5	2 to 3
	<i>Cercospora beticola</i> (CERCBE)	<u>Beetroot</u>	3 to 5	2 to 3
Broad bean, VICFX	<i>Peronospora viciae</i> (PEROVI)		3 to 5	2 to 3
	<i>Botrytis fabae</i> (BOTRFA)		3 to 5	2 to 3
	<i>Didymella fabae</i> (ASCOFA)		3 to 5	2 to 3
Pea, PIBSX	<i>Erysiphe pisi</i> (ERYSPI)		3 to 5	2 to 3
	<i>Didymella pisi</i> (ASCOPI)		3 to 5	2 to 3
Forestry	<i>Heterobasidion</i> (1HETEG)	Forestry stumps 3STUMO	3 to 5	2 to 3
	All other (=minor) targets	See EPP0 standard PP 1/257 (1) Efficacy and crop safety extrapolations for minor uses as well as Extrapolation tables for minor uses	2 to 3	1 to 2

## INSECTICIDES, MOLLUSCIDES and ACARICIDES

Crop	Target	Extrapolations are acceptable if the uses are comparable	Minimum number of trials	
			New active substances and new uses	New formulations of registered active substances
Cereals	<i>Rhopalosiphum padi</i> (RHOPPA), <i>Sitobion avenae</i> (MACSAV)	Other cereals	4 to 6	2 to 3
	<i>Oulema melanopus</i> (LEMAME), <i>Oulema gallaeciana</i> (LEMALI)	Other cereals	3 to 5	2 to 3
	<i>Limothrips denticornis</i> (LIMTDE), <i>Haplothrips aculeatus</i> (HAPLAC)	Other cereals	4 to 6	2 to 3
Oilseed rape, Turnip rape (spring and winter), BRSNS, BRSNW, BRSSP and BRSSA	<i>Brassicoglyphus aeneus</i> (MELIAE)	Oilseed rape, Turnip rape and other Brassicaceae for seeds	6 to 8	3 to 4
	<i>Ceutorhynchus obstrictus</i> (CEUTAS)	Oilseed rape, Turnip rape and other Brassicaceae for seeds	3 to 5	2 to 3
	<i>Dasineura brassicae</i> (DASYBR)	Oilseed rape, Turnip rape and other Brassicaceae for seeds	3 to 5	2 to 3
	<i>Psylliodes chrysocephala</i> (PSYICH)	Oilseed rape, Turnip rape and other Brassicaceae for seeds	3 to 5	2 to 3
	<i>Phyllotreta</i> spp. (PHYESP)	Oilseed rape, Turnip rape and other Brassicaceae for seeds	3 to 5	2 to 3
Sugar/fodder beet, BEAVA/BEAVC	<i>Aphis fabae</i> (APHIFA)	Beetroot	3 to 5	2 to 3
	<i>Thrips angusticeps</i> (THRIAN)		3 to 5	2 to 3
	<i>Blitophaga opaca</i> (BLITOP)		3 to 5	2 to 3
Potato, SOLTU	Aphids (several species)		4 to 6	2 to 3
	<i>Leptinotarsa decemlineata</i> (LPTNDE)		3 to 5	2 to 3
Maize, ZEAMX	<i>Oscinella frit</i> (OSCIFR)	Cereals	3 to 5	2 to 3
Broad bean, VICFX	<i>Aphis fabae</i> , APHIFA		3 to 5	2 to 3

Pea, PIBSX	<i>Cydia nigricana</i> , LASPNI		3 to 5	2 to 3
	<i>Acyrtosiphon pisum</i> , ACYRON		3 to 5	2 to 3
All	Slugs	All crops	3 to 5	2 to 3
All other (=minor) targets		See EPP0 standard PP 1/257 (1) Efficacy and crop safety extrapolations for minor uses as well as Extrapolation tables for minor uses	2 to 3	1 to 2

## HERBICIDES

### Weed control trials

Crop	Target	Extrapolations are acceptable if the uses are comparable	Minimum number of trials	
			New active substances and new uses	New formulations of registered active substances
Winter cereals	Major weed species on the label	Other winter cereals	8 to 10	3 to 4
Spring cereals	Major weed species on the label	Other spring cereals	8 to 10	3 to 4
Winter oilseed rape, BRSNW	Major weed species on the label	Winter turnip rape, BRSSA	8 to 10	3 to 4
Spring oilseed rape, BRSNS	Major weed species on the label	Spring turnip rape, BRSSP	6 to 8	3 to 4
Potato, SOLTU	Major weed species on the label		6 to 8	3 to 4
Sugar/fodder beet, BEAVA/BEAVC	Major weed species on the label		6 to 8	3 to 4
Maize, ZEAMX	Major weed species on the label		6 to 8	3 to 4
Grass seed crops	Major weed species on the label	Cereals, grassland	4 to 6	2 to 3
Broad bean, VICFX	Major weed species on the label	Pea, PIPSX	3 to 5	2 to 3
Pea, PIBSX	Major weed species on the label	Broad bean, VICFX	4 to 6	2 to 3
Grassland	Major weed species on the label	Cereals and grass seed crops	6 to 8	3 to 4

All other (=minor) targets	See EPPO standard PP 1/257 (1) Efficacy and crop safety extrapolations for minor uses as well as Extrapolation tables for minor uses	2 to 3	1 to 2
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### Selectivity trials for HERBICIDES

Crop		Extrapolations or supportive data partly (underlined) acceptable if the uses are comparable	Minimum number of trials	
			New active substances and new uses	New formulations of registered active substances
Winter wheat, TRZAW		<u>Spring wheat, TRZAS</u>	6 to 8	3 to 4
Winter barley, HORVW		<u>Spring barley, HORVS</u>	4 to 6	2 to 3
Winter triticale, TTLWI		<u>Spring triticale, TTLSO</u>	4 to 6	2 to 3
Winter rye, SECCW		<u>Spring rye, SECCS</u>	4 to 6	2 to 3
Spring barley, HORVS		<u>Winter barley, HORVW</u>	6 to 8	3 to 4
Spring wheat, TRZAS		<u>Winter wheat, TRZAW</u>	4 to 6	2 to 3
Spring oat, AVESP		-	4 to 6	2 to 3
Winter oilseed rape, BRSNW		<u>Spring oilseed rape, turnip rape</u>	4 to 6	2 to 3
Spring oilseed rape, BRSNS		<u>Winter oilseed rape, turnip rape</u>	4 to 6	2 to 3
Potato, SOLTU			4 to 6	2 to 3
Sugar/fodder beet, BEAVA/BEAVC			3 to 5	2 to 3
Maize, ZEAMX			3 to 5	2 to 3
Grassland		Grass seed crops	3 to 5	2 to 3

Broad bean, VICFX			3 to 5	2 to 3
Pea, PIBSX			3 to 5	2 to 3
Grass seed crops			2 trials per crop species	1 trial per species
All other (=minor) targets		See EPP0 standard PP 1/257 (1) Efficacy and crop safety extrapolations for minor uses as well as Extrapolation tables for minor uses	2 to 3	1 to 2

### PLANT GROWTH REGULATORS\*

Crop	Target	Extrapolations or supportive data partly (underlined) acceptable if the uses are comparable	Minimum number of trials	
			New active substances and new uses	New formulations of registered active substances
Winter wheat, TRZAW	Lodging	<u>Spring wheat, TRZAS</u>	4 to 6	2 to 3
Winter barley, HORVW	Lodging	<u>Spring barley, HORVS</u>	4 to 6	2 to 3
Winter triticale, TTLWI	Lodging	<u>Spring triticale, TTLSO</u>	4 to 6	2 to 3
Winter rye, SECCW	Lodging	<u>Spring rye, SECCS</u>	4 to 6	2 to 3
Spring barley, HORVS	Lodging	<u>Winter barley, HORVW</u>	6 to 8	3 to 4
Spring wheat, TRZAS	Lodging	<u>Winter wheat, TRZAW</u>	4 to 6	2 to 3
Spring oat, AVESP	Lodging	-	4 to 6	2 to 3
Winter oilseed rape, BRSNW	Lodging, winter hardiness	<u>Winter turnip rape, BRSSA</u>	3 to 5	2 to 3
Spring oilseed rape, BRSNS	Lodging	<u>Spring turnip rape, BRSSP</u>	3 to 5	2 to 3
Grass seed crops	Lodging		2 trials per crop species	1 trial per crop species
All other (=minor) targets			2 to 3	1 to 2

DESSICANTS				
Crop	Target	Extrapolations are acceptable if the uses are comparable	Minimum number of trials	
			New active substances and new uses	New formulations of registered active substances
Potato, SOLTU			4 to 6	2 to 3
Oilseed rape (spring and winter), BRSNS and BRSNW		Turnip rape and other Brassicaea	4 to 6	2 to 3
All other (=minor) targets			2 to 3	1 to 2
SEED TREATMENTS				
Selectivity trials				
Crop	Target	Extrapolations or supportive data partly (underlined) acceptable if the uses are comparable	Minimum number of trials	
			New active substances and new uses	New formulations of registered active substances
Winter wheat, TRZAW		<u>Spring wheat, TRZAS</u>	2 to 3	
Spring wheat, TRZAS		<u>Winter wheat, TRZAW</u>	2 to 3	
Winter barley, HORVW		<u>Spring barley, HORVS</u>	2 to 3	
Spring barley, HORVS		<u>Winter barley, HORVW</u>	2 to 3	
Winter triticale, TTLWI		<u>Spring triticale, TTLSO</u>	2 to 3	
Winter rye, SECCW		<u>Spring rye, SECCS</u>	2 to 3	
Spring oat, AVESP			2 to 3	

\*The 2N dose should be included in trials with plant growth regulators to test for crop selectivity