BAYER

Aviator® Xpro®

Aviator® Xpro®

Compatibility Guide

Wheat
Barley
Canola
Pulses

Aviator Xpro *Cereals compatibility guide*

Notes

- *Physical compatibilities were conducted with Aviator Xpro at the equivalent of 500 mL/ha (500 mL diluted in 80 L water).*
- *Biological field test compatibilities were conducted with Aviator Xpro at 500 mL/ha.*
- *The addition of adjuvants (especially oils) as recommended on other product labels may increase the risk of adverse crop effects. Some trial work has shown that this risk may be greater when spraying onto a wet canopy early in the morning. Application onto a dry crop later in the day may reduce the risk.*

Some transient crop effects may occur with new plant growth unaffected, no yield losses have been recorded in trials.

Use with caution, some leaf bleaching and biomass reduction may occur, no yield losses have been recorded.

Do not apply – unacceptable crop discolouration and biomass reduction may occur, yield losses have been recorded.

Not tested where blank.

Products tested (mixed with Aviator Xpro)	**Rates tested**	**Formulation type**	**Active constituents**	**Physical compatibility (laboratory)**	**Crop safety – field tested Aviator Xpro 500 mL/ha**	
					Wheat	**Barley**
Ally® **LVE MCPA 570** **BS1000**	5 g/ha 500 mL/ha 0.1% v/v	WG EC	600 g/kg metsulfuron-methyl 570 g/L MCPA present as the 2-ethylhexyl ester	Not tested		
Ally **Estercide® Xtra 680** **BS1000**	5 g/ha 700 mL/ha 0.1% v/v	WG EC	600 g/kg metsulfuron-methyl 680 g/L 2,4-D present as the 2-ethylhexyl ester	Not tested		
Ally **Amicide® Advance 700** **BS1000**	5 g/ha 700 mL/ha 0.1% v/v	WG SL	600 g/kg metsulfuron-methyl 700 g/L 2,4-D as DMA & MMA salts	Yes – no issues identified		
Aptitude®	200 g/ha	WG	375 g/kg metribuzin 90 g/kg carfentrazone-ethyl	Not tested		
Atlantis® OD **Hasten®**	330 g/ha 1% v/v	OD	30 g/L mesosulfuron-methyl	Yes – no issues identified		
Alpha-Scud® Elite **(Astound® Duo, Ken-Tac 100)**	240 mL/ha	EC	100 g/L alpha-cypermethrin	Yes – no issues identified		
Axial® 100 **Adigor®**	500 mL/ha 0.5% v/v	EC	100 g/L pinoxaden	Yes – no issues identified		
Crusader® **BS1000**	500 mL/ ha 0.25% v/v	OD	30 g/L pyroxsulam 90 g/L cloquintocet-mexyl	Not tested		
Eclipse® 100 **LVE MCPA 570** **Uptake®**	50 mL/ha 440 mL/ha 0.5% v/v	SC EC	100 g/L metosulam 570 g/L MCPA present as the 2-ethylhexyl ester	Not tested		
Estercide Xtra 680	700 mL/ha	EC	680 g/L 2,4-D present as 2-ethylhexyl ester	Not tested		

Products tested (mixed with Aviator Xpro)	Rates tested	Formulation type	Active constituents	Physical compatibility (laboratory)	Crop safety – field tested Aviator Xpro 500 mL/ha	
					Wheat	Barley
Summit UAN	50 L/ha	SL	32% nitrogen	OK – Constant agitation required - on standing free oil present		
Hussar® OD **BS1000**	100 mL/ha 0.25% v/v	OD	100 g/L iodosulfuron-methyl sodium	Yes – no issues identified		
Intervix® **Hasten**	750 mL/ha 1% v/v	EC	33 g/L imazamox 15 g/L imazapyr	Not tested		
Jaguar®	1.0 L/ha	EC	250 g/L bromoxynil 25 g/L diflufenican	Yes – no issues identified		
Logran® 750 WG **Estercide Xtra 680** **Uptake**	15 g/ha 800 mL/ha 0.5% v/v	WG EC	750 g/kg triasulfuron 680 g/L 2,4-D present as the 2-ethylhexyl ester	Not tested		
Mantrac® Pro	2.0 L/ha	SC	50% manganese 6.9% nitrogen	Not tested		
MolyTrac®	150 mL/ha	SC	11% phosphorus & 25% molybdenum	Not tested		
Moddus® **BS1000**	600 mL/ha 0.25% v/v	EC	250 g/L trinexapac-ethyl	Yes – no issues identified		
Paradigm® **LVE 600 MCPA** **BS1000**	25 g/ha 600 mL/ha 0.2% v/v	WG EC	200 g/kg halauxifen 200 g/kg florasulam 600 g/L MCPA present as the the 2-ethylhexyl ester	Yes – no issues identified		
Paragon® Xtra	720 mL/ha	EC	350 g/L MCPA 210 g/L bromoxynil present as the N-octanyl ester 35 g/L picolinafen	Yes – no issues identified		
Precept® 150 **Hasten**	2.0 L/ha 1% v/v	EC	125 g/L MCPA present as the 2-ethylhexyl ester 25 g/L pyrasulfotole	Not tested		
Precept 150 **Sencor® 480** **Liase**	2.0 L/ha 580 mL/ha 2% v/v	EC SC	125 g/L MCPA present as the 2-ethylhexyl ester 25 g/L pyrasulfotole 480 g/L metribuzin	Yes – no issues identified		
Rexade® **BS1000**	100 g/ha 0.2% v/v	WG	150 g/kg pyroxsulam 50 g/kg halauxifen as methyl ester 318.6 g/kg cloquintocet-mexyl	Not tested		

Products tested (mixed with Aviator Xpro)	Rates tested	Formulation type	Active constituents	Physical compatibility (laboratory)	Crop safety – field tested Aviator Xpro 500 mL/ha	
					Wheat	Barley
Talinor® **Hasten**	800 mL/ha 1% v/v	EC	175 g/L bromoxynil 37.5 g/L bicyclopyrone 9.4 g/L cloquinocet-mexyl	Not tested		
Terbutrex®	550 mL/ha	SC	500 g/L terbutryn	Caution - Constant agitation required - on standing product will IRREVERSIBLY settle out		
Tigrex®	1.0 L/ha	EC	250 g/L MCPA present as the 2-ethylhexyl ester 25 g/L diflufenican	Yes – no issues identified		
Transform®	100 mL/ha	SC	240 g/L sulfoxaflor	Yes – no issues identified		
Transform **Ken-Tac 100**	100 mL/ha 240 mL/ha	SC EC	240 g/L sulfoxaflor 100 g/L alpha-cypermethrin	Yes – no issues identified		
Triathlon®	750 mL/ha	EC	250 g/L MCPA present as the 2-ethylhexyl ester 150 g/L bromoxynil 25 g/L diflufenican	Yes – no issues identified		
Twin Zinc **Flexi-N®**	300 mL/ha 30 L/ha	SC SL	70% zinc oxide 32% nitrogen	Not tested		
Twin Zinc	350 mL/ha	SC	70% zinc oxide	Not tested		
Velocity® **Hasten or Uptake**	1.0 L/ha 1% v/v or 0.5% v/v	EC	210 g/L bromoxynil 37.5 g/L pyrasulfotole	Yes – no issues identified with Uptake and Velocity, not tested with Hasten		
Velocity **LVE MCPA 570** **Hasten or Uptake**	1.0 L/ha 1.8 L/ha 1% v/v or 0.5% v/v	EC EC	210 g/L bromoxynil 37.5 g/L pyrasulfotole 570 g/L MCPA present as the 2-ethylhexyl ester	Yes – no issues identified		

Commentary

- *Physical compatibilities were conducted in the laboratory with Aviator Xpro mixed at the equivalent of 500 mL/ha (the maximum label rate) using soft and hard water at the equivalent of 80 litres of spray volume per hectare. Field test compatibilities were conducted with Aviator Xpro at 500 mL/ha at a range of typical field spray volumes. Crop safety and any minor mixing issues are likely to be reduced at lower rates of Aviator Xpro.*
- *Caution is advised when mixing adjuvants with Aviator Xpro. The addition of adjuvants (especially oils) as recommended on other product labels may increase the risk of adverse crop effects.*
- *All mixtures should comply with the label requirements of the mixing partner, including recommended crop, growth stage and spray volumes, etc.*
- *The physical compatibility test conducted in the laboratory tested compatibility at different water hardness (soft and hard) and under different temperatures (4°C and ambient).*
- *Compatibility results/comments apply only to those specific named products listed unless an alternative product is clearly an equivalent formulation.*
- *Products containing varying concentrations of active constituents to those listed may not be compatible with Aviator Xpro.*

Aviator Xpro *Pulses compatibility guide*

Notes

- *Physical compatibilities were conducted with Aviator Xpro at the equivalent of 600 mL/ha (600 mL diluted in 80 L water) (maximum registered rate) or at the equivalent of 650 mL/ha (650 mL diluted in 80 L water).*
- *Biological field test compatibilities were conducted with Aviator Xpro at 600 mL/ha.*
- *The addition of adjuvants (especially oils) as recommended on other product labels may increase the risk of adverse crop effects. Some trial work has shown that this risk may be greater when spraying onto a wet canopy early in the morning. Application onto a dry crop later in the day may reduce the risk.*

Use with caution, some leaf bleaching and biomass reduction may occur, no yield losses have been recorded.

Do not apply – unacceptable crop discolouration and biomass reduction may occur, yield losses have been recorded.

Not tested where blank.

Products tested (mixed with Aviator Xpro)	Rates tested	Formulation type	Active constituents	Physical compatibility (laboratory)	Crop safety – field tested Aviator Xpro at 600 mL/ha			
					Chickpeas	Lentils	Faba beans	Field peas
Broadstrike® Uptake	25 g/ha 0.5% v/v	WG	800 g/kg flumetsulam	Yes				
Brodal® Options	200 mL/ha	SC	500 g/L diflufenican	Caution – apply promptly				
Factor® Supercharge®	180 g/ha 1% v/v	WG	250 g/kg butroxydim	Yes				
Select® Hasten	500 mL/ha 1% v/v	EC	240 g/L clethodim	Yes				
Select Verdict® 520 Hasten	500 mL/ha 100 mL/ha 1% v/v	EC EC	240 g/L clethodim 520 g/L haloxyfop as the methyl ester	Compatible in field trials				
Verdict 520 Uptake	100 mL/ha 0.5% v/v	EC	520 g/L haloxyfop as the methyl ester	Yes				

Commentary

- *Physical compatibilities were conducted in the laboratory with Aviator Xpro mixed at the equivalent of 600 mL/ha (the maximum label rate) or 650 mL/ha using soft and hard water at the equivalent of 80 litres of spray volume per hectare. Field test compatibilities were conducted with Aviator Xpro at 600 mL/ha at a range of typical field spray volumes. Crop safety and any minor mixing issues are likely to be reduced at lower rates of Aviator Xpro.*
- *Caution is advised when mixing adjuvants with Aviator Xpro. The addition of adjuvants (especially oils) as recommended on other product labels may increase the risk of adverse crop effects.*
- *All mixtures should comply with the label requirements of the mixing partner, including recommended crop, growth stage and spray volumes, etc.*
- *The physical compatibility test conducted in the laboratory tested compatibility at different water hardness (soft and hard) and under different temperatures (4°C and ambient).*
- *Compatibility results/comments apply only to those specific named products listed unless an alternative product is clearly an equivalent formulation.*
- *Products containing varying concentrations of active constituents to those listed may not be compatible with Aviator Xpro.*

Aviator Xpro *Canola compatibility guide*

Notes

- *Physical compatibilities were conducted with Aviator Xpro at the equivalent of 650 mL/ha (650 mL diluted in 80 L water).*
- *Biological field test compatibilities were conducted with Aviator Xpro at 650 mL/ha.*
- *The addition of adjuvants (especially oils) as recommended on other product labels may increase the risk of adverse crop effects. Some trial work has shown that this risk may be greater when spraying onto a wet canopy early in the morning. Application onto a dry crop later in the day may reduce the risk.*
- *Mixtures containing both Aviator Xpro and liquid fertilisers can ONLY be applied after the commencement of flowering.*

Some transient crop effects may occur with new plant growth unaffected, no yield losses have been recorded in trials.

Use with caution, some leaf bleaching and biomass reduction may occur, no yield losses have been recorded.

Do not apply – unacceptable crop discolouration and biomass reduction may occur, yield losses have been recorded.

Not tested where blank.

Products tested (mixed with Aviator Xpro)	Rates tested	Formulation type	Active constituents	Physical compatibility (laboratory)	Crop safety - field tested Aviator Xpro at 650 mL/ha	Comments
					Canola	
Factor **Supercharge**	180 g/ha 1% v/v	WG	250 g/kg butroxydim	Yes – no issues identified		Do not mix Factor with Aviator Xpro for use in canola. Factor alone has a narrow safety margin in canola. May result in adverse crop effects.
Select **Hasten**	500 mL/ha 1% v/v	EC	240 g/L clethodim	Yes – no issues identified		***See note in commentary**
Verdict 520 **Uptake**	100 mL/ha 0.5% v/v	EC	520 g/L haloxyfop	Yes – no issues identified		Some negligible discolouration was observed. ***See note in commentary**
Lontrel® Advanced	150 mL/ha	SL	600 g/L clopyralid	Yes – no issues identified		Compatible – no adverse crop effects observed.
Lontrel®	300 mL/ha	SL	300 g/L clopyralid	Yes – no issues identified		Compatible – no adverse crop effects observed.
OnDuty® **Hasten**	55 g/ha 0.5% v/v	WG	525 g/kg imazapic 175 g/kg imazapyr	Yes – no issues identified		Clearfield® varieties only, compatible, some slight discolouration was observed. Effects were transient. ***See note in commentary**
Intervix® **Hasten**	750 mL/ha 0.5% v/v	SL	33 g/L imazamox 15 g/L imazapyr	Yes – no issues identified		Clearfield varieties only, compatible, some slight discolouration was observed. Effects were transient. ***See note in commentary**
Roundup Ready® with Plantshield®	900 g/ha	WG	690 g/kg glyphosate present as the mono-ammonium salt	Caution – pH is not ideal – mix should be used promptly		Roundup Ready canola only. Use mix promptly as settling may occur.
Roundup Ready with Plantshield **Lontrel** **Liase**	900 g/ha 300 mL/ha 2% v/v	WG SL SL	690 g/kg glyphosate present as the mono-ammonium salt 300 g/L clopyralid 417 g/L ammonium sulphate	Not tested. See pH note above		Roundup Ready canola only. Use mix promptly as settling may occur.
Roundup Ready with Plantshield **Alpha-Scud Elite** **Liase**	900 g/ha 400 mL/ha 2% v/v	WG EC SL	690 g/kg glyphosate present as the mono-ammonium salt 100 g/L alpha-cypermethrin 417 g/L ammonium sulphate	Not tested. See pH note above		Roundup Ready canola only. Use mix promptly as settling may occur.

Products tested (mixed with Aviator Xpro)	Rates tested	Formulation type	Active constituents	Physical compatibility (laboratory)	Crop safety – field tested Aviator Xpro at 650 mL/ha Canola	Comments
Roundup Ready with Plantshield **Dimethoate** **Liase**	900 g/ha 350 mL/ha 2% v/v	WG EC SL	690 g/kg glyphosate present as the mono-ammonium salt 400 g/L dimethoate 417 g/L ammonium sulphate	Not tested. See pH note for Roundup Ready with Plantshield alone		Roundup Ready canola only. Use mix promptly as settling may occur.
Weedmaster® DST®	1300 mL/ha	SL	470 g/L glyphosate present as the potassium and mono-ammonium salts	Yes – no issues identified		Roundup Ready canola only.
Gesaprim®	1.1 kg/ha	WG	900 g/kg atrazine	Not tested		Some negligible discolouration was observed. Effects were transient.
Gesaprim **Hasten**	1.1 kg/ha 1% v/v	WG	900 g/kg atrazine	Yes – no issues identified		Triazine tolerant canola only. ***See note in commentary**
Gesaprim **Select** **Hasten**	1.1 kg/ha 500 mL/ha 1% v/v	WG EC	900 g/kg atrazine 240 g/L clethodim	Not tested		***See note in commentary**
Select **Flexi-N, UAN 32%, SprayGro 42N, Easy N®** **Hasten**	500 mL/ha 30 L/ha 1% v/v	EC SL	240 g/L clethodim 32% urea / ammonium nitrate	Not tested		***See note in commentary**
Select **Verdict 520** **Hasten**	500 mL/ha 50 mL/ha 1% v/v	EC EC	240 g/L clethodim 520 g/L haloxyfop	Not tested		Some negligible discolouration was observed. Effects were transient. ***See note in commentary**
Gesaprim **Select** **Lontrel** **Hasten**	1.1 kg/ha 500 mL/ha 300 mL/ha 1% v/v	WG EC SL	900 g/kg atrazine 240 g/L clethodim 300 g/L clopyralid	Not tested		Triazine tolerant canola only. ***See note in commentary**
Gesaprim **Select** **Lontrel Advanced** **Hasten**	1.1 kg/ha 500 mL/ha 150 mL/ha 1% v/v	WG EC SL	900 g/kg atrazine 240 g/L clethodim 600 g/L clopyralid	Not tested		Triazine tolerant canola only. Adverse crop effects were observed. Effects were transient. Biomass was generally not affected and there were no associated yield reductions.
Alpha-Scud Elite	400 mL/ha	EC	100 g/L alpha-cypermethrin	Yes – no issues identified		Some negligible discolouration was observed.
Le-mat® 290	200 mL/ha	SL	290 g/L omethoate	Yes – no issues identified		Some negligible discolouration was observed.
Dimethoate	500 mL/ha	EC	400 g/L dimethoate	Yes – no issues identified		Some negligible discolouration was observed.
Trojan®	30 mL/ha	EC	150 g/L gamma-cyhalothrin	Yes – no issues identified		Physically compatible – not field tested at time of printing.
Transform **Agral® or Chemwet 1000**	100 mL/ha 100 mL/ha	SC	240 g/L sulfoxaflor	Yes – no issues identified		Compatible.
Success® Neo **Uptake**	100 mL 100 mL/ha	SC	120 g/L spinetoram	Yes – no issues identified		Physically compatible – not field tested at time of printing.

Products tested (mixed with Aviator Xpro)	Rates tested	Formulation type	Active constituents	Physical compatibility (laboratory)	Crop safety – field tested Aviator Xpro at 650 mL/ha	Comments
					Canola	
Lorsban® 500	900 mL/ha	EC	500 g/L chlorpyrifos	Yes – no issues identified		Some negligible discolouration was observed.
Pirimor®	1 kg/ha	WG	500 g/kg pirimicarb	Caution – Constant agitation required – product disperses poorly & settles out		Compatible – settling may occur, do not leave to stand overnight.
Flexi-N, UAN 32%, SprayGro 42N, Easy N	30 L/ha	SL	32% urea / ammonium nitrate	OK – Constant agitation required – on standing, free oil present		Marginal crop safety especially early in the crop. Urea / ammonium nitrate products may cause leaf burn if applied alone due to environmental conditions (i.e. wet leaf). The addition of Aviator Xpro may increase the chance of adverse crop effects. The addition of an adjuvant in the mix may also increase the level of leaf burn. Do not mix any of these UAN products with Aviator Xpro unless experienced in the use of the product.
MAXam Flo	37.5 L/ha	SL	22% nitrogen 6% sulphur	OK – Constant agitation required – on standing free oil present		Urea / ammonium NS products may cause leaf burn if applied alone due to environmental conditions (i.e. wet leaf).
Twin Zinc	350 mL/ha	SC	70% zinc	OK		Physically compatible – not field tested at time of printing.

Commentary

- *Physical compatibilities were conducted in the laboratory with Aviator Xpro mixed at the equivalent of 650 mL/ha (the maximum label rate) using soft and hard water at the equivalent of 80 litres of spray volume per hectare. Field test compatibilities were conducted with Aviator Xpro at 650 mL/ha at a range of typical field spray volumes. Crop safety and any minor mixing issues are likely to be reduced at lower rates of Aviator Xpro.*
- *Caution is advised when mixing adjuvants with Aviator Xpro. The addition of adjuvants (especially oils) as recommended on other product labels may increase the risk of adverse crop effects.*
- ***Note: Adverse crop effects have been observed where Aviator Xpro is mixed with oil. Some leaf bleaching and biomass reductions may occur but yield losses have not been recorded. Damage may be greater in the presence of frost or wet canopy early in the morning. Application to dry crop later in the day is recommended.***
- *All mixtures should comply with the label requirements of the mixing partner, including recommended crop, growth stage and spray volumes, etc.*
- *The physical compatibility test conducted in the laboratory tested compatibility at different water hardness (soft and hard) and under different temperatures (4°C and ambient).*
- *Compatibility results/comments apply only to those specific named products listed unless an alternative product is clearly an equivalent formulation.*
- *Products containing varying concentrations of active constituents to those listed may not be compatible with Aviator Xpro.*

crop.bayer.com.au