

2013

# Prosaro<sup>®</sup>

## Cereal and Canola Compatibility tables



# PROSARO<sup>®</sup>





# Compatibility of Prosaro® 420 SC with various crop protection products for use in cereals



Product and maximum rate tested	Formulation type	Active constituents	Company	Physical Compatibility - lab test conducted?	Crop safety-field test conducted?	Recommended adjuvant	Comments
Achieve® WG 500 g/ha	WG	400 g/kg tralkoxydim	Crop Care	Yes - no issues identified	Yes – see comments	Any adjuvant recommended for use with Prosaro may be used. Contact Achieve manufacturer to confirm suitability of alternative adjuvants to Supercharge.	Very good crop safety, with no indication the addition of Prosaro increased crop effects. Hasten was used as the adjuvant. Supercharge is generally recommended for use with Achieve but has not been evaluated with Prosaro.
Affinity® 400 DF 60 g/ha (note product discontinued, now Affinity Force)	WG	400 g/kg carfentrazone-ethyl	FMC	Yes - Constant agitation required - on standing, settlement will occur. Affinity granules slow to disperse and suspend.	Not tested	Not recommended with Affinity	No information on crop safety is available. Caution with any mixtures with Affinity as crop damage can be severe. Adjuvants must not be added to Affinity. Affinity DF has been replaced by Affinity Force (240 g/L formulation).
Affinity® 400 DF 60 g/ha + MCPA 500 500 mL/ha (note product discontinued, now Affinity Force)	-	tank mix		Yes - Constant agitation required - on standing, settlement will occur. Affinity granules slow to disperse and suspend.	Not tested	Not recommended with Affinity	No information on crop safety is available. Caution with any mixtures with Affinity as crop damage can be severe. Adjuvants must not be added to Affinity. Affinity DF has been replaced by Affinity Force (240 g/L formulation).
Agritone® 750 SL 3.0 L/ha (+ Hasten 1%)	SL	750 g/L MCPA as dimethylamine salt	Nufarm	Yes - Constant agitation required - on standing, free oil present.	Not tested	BS 1000 0.25%	No information on crop safety is available.
Ally® 7 g/ha (+ BS 1000)	WG	600 g/kg metsulfuron methyl	DuPont	Yes - Constant agitation required - on standing, settlement will occur.	Yes – see comments	BS 1000 0.25%	The addition of Prosaro to Ally increased crop effects although effects were generally transient and crops recovered. This was done with the addition of Hasten adjuvant, the use of a non ionic surfactant should improve crop safety although the rate required (0.25%) is higher than usually recommended for use with Ally.
Ally® 7 g/ha + MCPA LVE 500 2.1 L/ha (+ BS 1000)	-	tank mix	Nufarm (MCPA LVE)	Yes - Constant agitation required - on standing, settlement will occur.	Not tested	BS 1000 0.25%	Not field tested, but if using then only use BS 1000 as oils should not be used with Ally. Some adjuvant will be required for Ally efficacy.
Ally® 7 g/ha + MCPA 500 2.1 L/ha (+ BS 1000)	-	tank mix	Nufarm (MCPA 500)	Yes - Constant agitation required - on standing, settlement will occur.	Not tested	BS 1000 0.25%	Not field tested, but if using then only use BS 1000 as oils should not be used with Ally. Some adjuvant will be required for Ally efficacy.
Ally® 5 g/ha + Tordon 242 800 mL/ha (+ BS 1000)	WG SL	600 g/kg metsulfuron methyl 420 g/L MCPA 26 g/L picloram		Yes	Not tested	BS 1000 0.25%	Constant agitation required – on standing product will IRREVERSIBLY settle out. Do not store overnight.
Amicide® 625 1.4 L/ha	EC	625 g/L 2,4-D amine as dimethylamine and diethanolamine salts	Nufarm	Yes - Constant agitation required - on standing, free oil present	Yes – see comments	No adjuvant referred to for use with 2,4-D amine - consult with manufacturer before mixing.	May result in adverse crop effects including reduced growth and yield loss through phenoxy herbicide damage, if applied at the incorrect crop growth stage. The use of an adjuvant in the mix is likely to result in increased damage. If using an adjuvant limit Prosaro rate to 150 mL/ha and adhere to all recommendations on the use of phenoxy herbicides for the crop. Note that generally adjuvants are not recommended with Amicide 625.
Amicide® 625 1.4 L/ha + Ally 5 g/ha + BS 1000 0.25%	-	tank mix	Nufarm (Amicide 625)	Not tested	Yes – see comments	BS 1000 0.25%	May result in adverse crop effects. Refer to comments above on mixtures with phenoxy herbicides. Generally adjuvants are not recommended with Amicide 625.

Product and maximum rate tested	Formulation type	Active constituents	Company	Physical Compatibility - lab test conducted?	Crop safety-field test conducted?	Recommended adjuvant	Comments
Amicide® 625 1.4 L/ha + Ally 5 g/ha + Lontrel SG 40 g/ha + BS 1000 0.25%	-	tank mix	Nufarm (Amicide 625)	Not tested	Yes – see comments	BS 1000 0.25%	May result in adverse crop effects. Refer to comments above on mixtures with phenoxy herbicides. Generally adjuvants are not recommended with Amicide 625.
Amicide® 625 1.4 L/ha + Lontrel SG 40 g/ha + BS 1000 0.25%	-	tank mix	Nufarm (Amicide 625)	Not tested	Yes – see comments	BS 1000 0.25%	May result in adverse crop effects. Refer to comments above on mixtures with phenoxy herbicides. Generally adjuvants are not recommended with Amicide 625.
Atlantis® OD 330 mL/ha	OD	30 g/L mesosulfuron	Bayer CropScience	Yes - no problems identified	Yes – see comments	BS 1000 0.25%, Hasten 1% or Rocket 1% (chose adjuvant depending on weed target for Atlantis OD)	May result in increased crop effects, limiting Prosaro rate to 150 mL/ha should improve crop safety.
Axial® 100 EC 500 mL/ha + Adigor® 0.5%	EC	100 g/L pinoxaden + 25 g/L cloquintocet- mexyl	Syngenta	Yes - no problems identified	Yes – see comments	Adigor 0.5% (as required for Axial herbicide use).	May result in adverse crop effects if used late in the season. Limiting Prosaro rate to 150 mL/ha should improve crop safety. Adhere to the crop stage recommendations for Axial application.
Buctril® MA 2.0 L/ha	EC	200 g/L bromoxynil + 200 g/L MCPA	Bayer CropScience	Yes - no problems identified	Yes – see comments	Any adjuvant recommended for use with Prosaro may be used.	Good crop safety.
Bulldock® Duo 25 EC 1.0 L/ha (+ Hasten®)	EC	25 g/L beta-cyfluthrin	Bayer CropScience	Yes - no problems identified	Not tested	BS 1000 0.25%	No information on crop safety is available.
Cadence® WG 200 g/ha	WG	700 g/kg dicamba	Syngenta	Yes - no problems identified	Yes – see comments	BS 1000 0.25% or Uptake 0.5%	Good crop safety. Typical dicamba wilting effects on the crop are often observed within days of application, these effects have been transient in the trials conducted.
Cheetah® Gold 1.0 L/ha	EC	200 g/L diclofop- methyl + 20 g/L sethoxydim + 13.6 g/L fenoxaprop-p-ethyl	Bayer CropScience	Yes - no issues identified	Yes – see comments	Hasten 1% or Uptake 0.5%	Very good crop safety, negligible increase in crop effects, Hasten used as adjuvant in crop safety studies.
Chlorpyrifos 500 EC 900 mL/ha	EC	500 g/L chlorpyrifos	various	Not tested – no problems reported in field trials	Yes – see comments	BS 1000 0.25%	Limited trial data only indicates good safety. No indication of any increase in crop effects from the mixture.
Copper Oxide 300 mL/ha + BS 1000 0.25%				Not tested	Yes – see comments	Any adjuvant recommended for use with Prosaro may be used.	Very good crop safety.
Coptrel® 500 SC 150 mL/ha	SC	500 g/L copper as oxide + 69 g/L nitrogen as urea	Phosyn/ YarraVita	Yes - Constant agitation required - on standing, settlement will occur.	Yes – see comments	Any adjuvant recommended for use with Prosaro may be used.	Very good crop safety.
Crusader® 300 mL/ha + MCPA LVE 500 mL/ha + BS 1000 0.25%	OD	30 g/L pyroxsulam + 90 g/L cloquintocet- mexyl (Crusader)	Dow (Crusader)	Yes (Crusader alone) - no issues identified	Yes – see comments	BS 1000 0.25% only (as required with Crusader herbicide)	May result in increased crop effects, limiting Prosaro rate to 150 mL/ha should improve crop safety.
Cypermethrin 170 mL/ha	EC	300 g/L cypermethrin	various	Not tested - field tests did not show up any issues	Yes – see comments	Any adjuvant recommended for use with Prosaro may be used.	Very good crop safety.
Decis Options® 500 mL/ha	EC	27.5 g/L deltamethrin	Bayer CropScience	NOT compatible in soft water at 4 degrees. Compatible in soft & hard water at ambient temperature, also compatible in hard water at 4 degrees temperature. Constant agitation required - on standing, irreversible settlement will occur.	Yes – see comments	Any adjuvant recommended for use with Prosaro may be used.	Very good crop safety.

Product and maximum rate tested	Formulation type	Active constituents	Company	Physical Compatibility - lab test conducted?	Crop safety-field test conducted?	Recommended adjuvant	Comments
Decision® 1.0 L/ha (+ Hasten®)	EC	200 g/L diclofop-methyl + 20 g/L sethoxydim	Bayer CropScience	Yes - no issues identified	Yes – see comments	Uptake 0.5%, D-C-Trate 1% or Hasten 1% (as required with Decision herbicide)	May result in increased crop effects, limiting Prosaro rate to 150 mL/ha should improve crop safety. Adhere to the crop stage recommendations for Decision application.
Dimethoate 500 mL/ha	EC	400 g/L dimethoate	Nufarm	Yes - no problems identified	Yes – see comments	Any adjuvant recommended for use with Prosaro may be used.	Very good crop safety.
Dominex® 100 EC 240 mL/ha (+ Hasten®)	EC	100 g/L alpha-cypermethrin	Crop Care	Yes - Constant agitation required - on standing, settlement will occur.	Not tested	BS 1000 0.25%	No information on crop safety is available.
Eclipse® 100 SC 50 mL	SC	100 g/L metosulam	Bayer CropScience	NOT compatible in soft water at 4 deg temperature. Compatible in soft & hard water at ambient temperature, compatible in hard water at 4 degrees temperature. Constant agitation required - on standing, settlement will occur.	Yes – see comments	Any adjuvant recommended for use with Prosaro may be used.	Very good crop safety.
Fastac® Duo 100 EC 240 mL/ha	EC	100 g/L alpha-cypermethrin	Nufarm	Yes - Constant agitation required - on standing, settlement will occur.	Not tested	BS 1000 0.25%	No information on crop safety is available.
Hoegrass® 500 1.5 L/ha	EC	500 g/L diclofop-methyl	Bayer CropScience	Yes - no issues identified	Yes – see comments	BS 1000 0.25%	May result in adverse crop effects if using Hasten adjuvant. Limiting Prosaro rate to 150 mL/ha should improve crop safety and only use non-ionic surfactant. Adhere to the crop stage recommendations for Hoegrass 500 application.
Hotshot® 750 mL/ha	EC	10 g/L aminopyralid + 140 g/L fluroxypyr	Dow	Yes - no issues identified	Not tested	BS 1000 0.25% or Uptake 0.5%	No information on crop safety of the mixture is available.
Hussar® OD 100 mL/ha	OD	100 g/L idosulfuron-methyl sodium	Bayer CropScience	Not tested - Field tests did not indicate any issues	Yes – see comments	BS 1000 0.25%	Slight increase in crop effects over using Hussar alone. Hasten was used in the trials, crop effects should be improved with use of BS 1000.
Igran® 500 850 mL/ha (no adjuvant)	SC	500 g/L terbutryn	Crop Care	Yes - Constant agitation required - on standing, settlement will occur.	Not tested	Generally not recommended with Igran - consult Crop Care before mixing any adjuvant	No information on crop safety of the mixture is available.
Jaguar® 1.0 L/ha	EC	250 g/L bromoxynil + 25 g/L diflufenican	Bayer CropScience	Yes - no issues identified	Yes – see comments	BS 1000 0.25%	Crop safety with Jaguar is good even though Hasten was used in all trials against the recommendation for use of Jaguar. The use of a non ionic surfactant rather than a crop oil should further improve crop safety.
Lontrel 750 SG 120 g/ha	SG	750 g/kg clopyralid	Dow	Yes - no issues identified	Not tested	Any adjuvant recommended for use with Prosaro may be used.	Not field tested but can assume it will be no different to the SL formulation in respect to crop safety.
Lontrel® SL 300 mL/ha (+ Hasten®)	SL	300 g/L clopyralid	Dow	Yes - Constant agitation required - on standing, free oil present.	Yes – see comments	Any adjuvant recommended for use with Prosaro may be used.	Very good crop safety.
Mantrac® 500 2.0 L/ha (no adjuvant)		500 g/L manganese as carbonate + 69 g/L nitrogen as urea	Phosyn/YarraVita	Yes - Constant agitation required - on standing, settlement will occur	not tested	BS 1000 0.25%	No information on crop safety is available.
Mataven® 90 2.5 L/ha	EC	90 g/L flamprop-m-methyl	Nufarm	Yes - no issues identified	Yes – see comments	Uptake 0.5%	Very good crop safety, negligible increase in crop effects, Hasten used as adjuvant. Mataven label indicates compatibility with Uptake, this is the preferred adjuvant when mixing with Prosaro.
Mataven L 75 EC 2.25 L/ha	EC	75 g/L flamprop-m-methyl	BASF	Yes - no issues identified	Not tested		



Product and maximum rate tested	Formulation type	Active constituents	Company	Physical Compatibility - lab test conducted?	Crop safety-field test conducted?	Recommended adjuvant	Comments
MCPA 500 2.1 L/ha (+ Hasten®)	SL	500 g/L MCPA as dimethylamine salt	Nufarm	Yes - Constant agitation required - on standing, free oil present.	Not tested	BS 1000 0.25%	No information on crop safety is available.
MCPA 500 SL 1.0 L/ha + Lontrel 300 SL 500 mL/ha (+ Hasten®)	-	tank mix		Yes - Constant agitation required - on standing, free oil present.	Not tested	BS 1000 0.25%	No information on crop safety is available.
MCPA LVE 1.0 L/ha (+ Hasten®)	EC	500 g/L MCPA as iso-octyl ester	Nufarm	Yes - no issues identified	Yes – see comments	Any adjuvant recommended for use with Prosaro may be used.	Very good crop safety.
Pirimor® WG 300 g/ha	WG	500 g/kg pirimicarb	Syngenta	Yes - no problems identified	Yes – see comments	Any adjuvant recommended for use with Prosaro may be used.	Very good crop safety.
Precept® 300 EC 1.0 L/ha	EC	250 g/L MCPA + 50 g/L pyrasulfotole	Bayer CropScience	Yes - no issues identified	Yes – see comments	Hasten 1% or an alternative crop oil that is recommended for use with both products.	Very good crop safety.
Starane® Advanced 900 mL/ha + MCPA LVE 700 mL/ha	EC EC	333 g/L fluroxypr 500 g/L MCPA as iso-octyl ester	Dow Nufarm	Yes - no issues identified	Not tested		
Starane Advanced 900 mL/ha + Uptake® 0.5%	EC	333 g/L fluroxypr	Dow	Yes - no issues identified	Not tested	Uptake 0.5%	
Surpass® 300 1.6 L/ha	SL	300 g/L 2,4-D as isopropylamine salt	Nufarm	Yes - Constant agitation required - on standing, settlement will occur	Yes – see comments	Any adjuvant recommended for use with Prosaro may be used. Consult with Surpass 300 manufacturer on the use of an adjuvant for application in crop.	Good crop safety, Hasten included in mix. Generally Surpass is not recommended for mixing with anything other than pre plant knockdown herbicides and not to be mixed with an adjuvant for in crop use. Refer to comments above on mixtures with phenoxy herbicides, including potential yield loss from incorrect timing.
Talstar® 250 EC 80 mL/ha	EC	250 g/L bifenthrin	FMC	Yes - no problems identified	Not tested	BS 1000 0.25%	No information on crop safety is available.
Tigrex® 1.0 L/ha	EC	250 g/L MCPA + 25 g/L diflufenican	Bayer CropScience	Yes - no issues identified	Yes – see comments	BS 1000 0.25%	Crop safety with Tigrex is very good even though Hasten was used in all trials, against the recommendation for use of Tigrex. The use of a non ionic surfactant rather than a crop oil should further improve crop safety.
Topik® 240 EC 125 mL/ha	EC	240 g/L clodinafop-propargyl + 60 g/L cloquintocet-mexyl	Syngenta	Yes - no problems identified	Yes – see comments	Uptake 0.5% or D-C-Trate 1%	May result in adverse crop effects if used late in the season. Limiting Prosaro rate to 150 mL/ha should improve crop safety. Adhere to the crop stage recommendations for Topik application.
Tordon® 242 1.0 L/ha (+ Hasten®)	EC	420 g/L MCPA + 26 g/L picloram	Dow	Yes - Constant agitation required - on standing, settlement will occur.	Not tested	BS 1000 0.25% or Uptake 0.5%	No information on crop safety of the mixture is available.
Tordon® 75-D 300 mL/ha (no adjuvant)	SC	300 g/L 2,4-D + 75 g/L picloram	Dow	Yes - no issues identified	Not tested	Not recommended	No information on crop safety of the mixture is available. The use of an adjuvant with Tordon 75-D is not recommended. This may compromise efficacy of Prosaro.
Torpedo® 100 mL/ha + Uptake® 0.5%	SC	300 g/L clopyralid + 50 g/L florasulam	Dow	Yes - Constant agitation required - on standing, free oil present.	Yes – see comments	Uptake 0.5%	Good crop safety. Note that mixtures with LVE MCPA have not been evaluated.
TRADECITRUS Zinc Manganese Chelate 750 g/ha			Tradecorp	Not tested	Yes – see comments	Any adjuvant recommended for use with Prosaro may be used.	Very good crop safety.

Product and maximum rate tested	Formulation type	Active constituents	Company	Physical Compatibility - lab test conducted?	Crop safety-field test conducted?	Recommended adjuvant	Comments
TRADECORP CU Copper Chelate 300 g/ha			Tradecorp	Not tested	Yes – see comments	Any adjuvant recommended for use with Prosaro may be used.	Very good crop safety.
Tristar® Advance 1.5 L/ha	EC	250 g/L diclofop-methyl + 13 g/L fenoxaprop-p-ethyl	Bayer CropScience	Yes - Constant agitation required - on standing, settlement will occur.	Yes – see comments	BS 1000 0.25%	May result in adverse crop effects if using Hasten adjuvant. Limiting Prosaro rate to 150 mL/ha should improve crop safety and only use non-ionic surfactant. Adhere to the crop stage recommendations for Tristar Advance application.
Twin Zinc 350 mL/ha		700 g/L zinc as oxide + 18 g/L nitrogen as urea	Phosyn/ YarraVita	Yes - Constant agitation required - on standing, settlement will occur.	Yes – see comments	Any adjuvant recommended for use with Prosaro may be used.	Very good crop safety.
Urea/Ammonium nitrate		FLEXI-N, UAN 32%, SPRAY-GRO 42N, EASY N	various	Yes - Constant agitation required - on standing, an oil layer forms on top (+ Hasten).	Yes – see comments	BS 1000 0.25% (only)	Marginal crop safety. Urea/Ammonium nitrate products may cause leaf burn if applied alone. The addition of Prosaro 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 Prosaro unless experienced in use of the product.
Velocity® 0.5 L/ha	EC	210 g/L bromoxynil + 37.5 g/L pyrasulfotole	Bayer CropScience	Yes - no issues identified	Yes – see comments	Hasten 1% or an alternative crop oil that is recommended for use with both products.	Limited data but good crop safety indicated.
Wildcat® 110 EC 500 mL/ha	EC	110 g/L fenoxaprop-p-ethyl	Bayer CropScience	Yes - Constant agitation required - on standing, settlement will occur.	Yes – see comments	BS 1000 0.25%	Good crop safety.
X-Pand® 165 g/ha (+ Uptake)	WG	610 g/kg isoxaben + 40 g/kg florasulam	Dow	Yes - Constant agitation required - on standing, free oil present.	Not tested	Uptake 0.5%	No information on crop safety of the mixture is available.
2,4-D LV Ester 680 1.6 L/ha (+Hasten)	EC	680 g/L 2,4-D ester	Farmoz	Yes	Not tested	No adjuvant referred to for use with 2,4-D ester - consult with manufacturer before mixing	May result in adverse crop effects including reduced growth and yield loss through phenoxy herbicide damage, if applied at the incorrect crop growth stage. The use of an adjuvant in the mix is likely to result in increased damage. If using an adjuvant limit Prosaro rate to 150 mL/ha and adhere to all recommendations on the use of phenoxy herbicides for the crop. Note that generally adjuvants are not recommended with 2,4-D ester.

#### Notes:

- Most compatibilities were conducted with Prosaro at 300 mL/ha, the highest label rate. Crop safety and any minor mixing issues are likely to be reduced at lower rates of Prosaro.
- For all mixtures observe all the label requirements of the mixing partner, including recommended crop stage, spray volumes etc.
- The adjuvant recommendation is based on the most compatible adjuvant for both Prosaro and the mixing partner.
- The physical compatibility test conducted in the laboratory compared compatibility at different water hardness (soft and hard) and under different temperatures (4°C and ambient).
- Compatibility is limited to those specific products and product manufacturers 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 Prosaro.
- OD = oil dispersion, EC = emulsifiable concentrate, WG = water dispersible granule, SC = suspension concentrate, SL = soluble concentrate, SG = water soluble granule.



# Compatibility of Prosaro® 420 SC with various crop protection products for use in canola



Product and maximum rate tested	Formulation type	Active constituents	Company	Physical Compatibility - lab test conducted?	Crop safety-field test conducted?	Recommended adjuvant	Comments
Atradex® WG 1.1 kg/ha	WG	900 g/kg atrazine	Crop Care	Constant agitation required - on standing settlement will occur.	Yes – see comments	Hasten 1% v/v	TT varieties only. CAUTION: Mixtures with Prosaro may initially result in significant adverse crop effects. Care should be taken to avoid spray overlaps as this may also increase crop effects. These symptoms are generally transient. Further investigation of this mixture will be carried out by Bayer CropScience.
Atradex WG 1.1 kg/ha + Select 500 mL/ha + Lontrel 300 mL/ha	WG EC SL	900 g/kg atrazine 240 g/L clethodim 300 g/L clopyralid	Crop Care Sumitomo Dow	Constant agitation required - on standing settlement will occur.	Yes – see comments	Hasten 1%	TT varieties only. CAUTION: Mixtures with Prosaro may initially result in significant adverse crop effects. Care should be taken to avoid spray overlaps as this may also increase crop effects. These symptoms are generally transient. Further investigation of this mixture will be carried out by Bayer CropScience.
Atradex WG 1.1 kg/ha + Select 500 mL/ha + Astound® Duo 400 mL/ha	WG EC EC	900 g/kg atrazine 240 g/L clethodim 100 g/L alpha-cypermethrin	Crop Care Sumitomo Nufarm	Constant agitation required - on standing settlement will occur.	Yes – see comments	Hasten 1%	TT varieties only. CAUTION: Mixtures with Prosaro may initially result in significant adverse crop effects. Care should be taken to avoid spray overlaps as this may also increase crop effects. These symptoms are generally transient. Further investigation of this mixture will be carried out by Bayer CropScience.
Boron (eg bortrac)							Not Tested – Bayer CropScience can not give any advice on this mixture.
Dimethoate 500 mL/ha	EC	400 g/L dimethoate	Nufarm	Tested - no problems identified	Yes – see comments	none required	Compatible – no adverse crop effects observed.
Factor® WG 80 g/ha	WG	250 g/kg butoxydim	Crop Care		Yes – see comments	Supercharge® 1% v/v	Do not mix Factor WG with Prosaro for use in canola. Factor alone has a narrow safety margin in canola, the addition of Prosaro may result in adverse crop effects.
Fastac® Duo 100 EC 240 mL/ha	EC	100 g/L alpha-cypermethrin	Nufarm	Tested - Constant agitation required - on standing, settlement will occur.	Yes – see comments	none required	Compatible – no adverse crop effects observed.
FLEXI-N, UAN 32%, SPRAY-GRO 42N, EASY N 25 L/ha (+ Select 500 mL/ha + Hasten® 1% v/v)	SL	Urea/Ammonium nitrate	various	Tested (UAN alone) - Constant agitation required - on standing, an oil layer forms on top (+ Hasten).	Tested, in mixtures with Select herbicide – see comments	none required	Marginal crop safety. Urea/Ammonium nitrate products may cause leaf burn if applied alone. The addition of Prosaro 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 Prosaro unless experienced in use of the product.
Intervix® 500 mL/ha	SL	33 g/L imazamox 15 g/L imazapyr	Nufarm		Yes – see comments	Hasten 0.5% v/v	Clearfield varieties only, compatible, no adverse crop effects observed.
Le-mat® 290 SL 200 mL/ha	SL	290 g/L omethoate	Ospray	Tested - Not compatible at 4 degrees. Compatible in soft & hard water at ambient temperature. Constant agitation required - on standing, irreversible settlement will occur.	Yes – see comments	none required	Compatible – no adverse crop effects observed.
Lontrel® 300 mL/ha	SL	300 g/L clopyralid	Dow		Yes – see comments	none required	Compatible – no adverse crop effects observed.

Product and maximum rate tested	Formulation type	Active constituents	Company	Physical Compatibility - lab test conducted?	Crop safety-field test conducted?	Recommended adjuvant	Comments
Lontrel 750 SG 120 g/ha	SG	750 g/kg clopyralid	Dow		Yes – see comments	none required	Compatible – no adverse crop effects observed.
Lorsban® 500 EC 900 mL/ha	EC	500 g/L chlorpyrifos	Dow	Not tested – no problems reported in field trials	Yes – see comments	none required	Compatible – no adverse crop effects observed.
Molybdenum (eg molytrac 250)							Not Tested – Bayer CropScience can not give any advice on this mixture.
OnDuty® 55 g/ha	WG	525 g/kg imazapic 175 g/kg imazapyr	Crop Care		Yes – see comments	Hasten 0.5% v/v	Clearfield® varieties only, compatible, no adverse crop effects observed.
Pirimo® 50 WG 1 kg/ha	WG	500 g/kg pirimicarb	Syngenta	Tested (at 300 g/ha rate only) - no problems identified	Yes – see comments	none required	Compatible – no adverse crop effects observed.
Roundup Ready® (with PLANTSHIELD®) 0.9 kg/ha	WG	690 g/kg glyphosate	Nufarm	Laboratory testing showed mixtures with Prosaro tended to form a foamy oily scum – field trials indicated there was the potential for build-up on fine filters leading to blockages of spray equipment.  The addition of Liase at 2% v/v tended to improve the flow of the mix through filters, but this did not alleviate all problems when tested through field equipment.	Yes – see comments	none required	In a small number of trials adverse crop effects were observed when Prosaro was added to Roundup Ready with Plantshield. There was reduced growth where the mixture was used, but effects were transient and with good seasonal conditions there was no yield reduction measured. CAUTION: Products may not mix adequately – this mixture is not currently recommended by Bayer CropScience.
Select® 240 EC (eg Clethodim 240EC) 500 mL/ha	EC	240 g/L clethodim	various	Tested - Constant agitation required - on standing product will IRREVERSIBLY settle out	Yes – see comments	Hasten® 1% v/v	Some adverse crop effects were observed however these were transient. Note that Select alone can cause crop effects in canola.
Targa® Bolt 190 mL/ha		200 g/L quizalofop-p-ethyl	Sipcam		Not tested	Hasten 1% v/v	Not Tested – Bayer CropScience can not give any advice on this mixture.
Terbyne® 1.4 kg/ha + Hasten 1%	WG	750 g/kg terbuthylazine	Sipcam		Yes – see comments	Hasten 1% v/v	TT varieties only. CAUTION: Mixtures with Prosaro may initially result in significant adverse crop effects. Care should be taken to avoid spray overlaps as this may also increase crop effects. These symptoms are generally transient. Further investigation of this mixture will be carried out by Bayer CropScience.
Trojan® 30 mL/ha	EC	150 g/L gamma- cyhalothrin	Dow		Yes – see comments	none required	Compatible – no adverse crop effects observed
Verdict® 520 100 mL/ha	EC	520 g/L haloxyfop	Dow		Yes – see comments	Uptake® 0.5% v/v	Compatible – no adverse crop effects observed.
Zinc (oxides, sulphates & chelates)							Not Tested – Bayer CropScience can not give any advice on this mixture.

#### Notes:

- Most compatibilities were conducted with Prosaro at 450 mL/ha, the highest label rate. Crop safety and any minor mixing issues are likely to be reduced at lower rates of Prosaro.
- In all mixtures observe all the label requirements of the mixing partner, including recommended crop stage, spray volumes etc.
- The adjuvant recommendation is based on the most compatible adjuvant for both Prosaro and the mixing partner.
- The physical compatibility test conducted in the laboratory compared compatibility at different water hardness (soft and hard) and under different temperatures (4°C and ambient).
- Compatibility is limited to those specific products and product manufacturers 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 Prosaro.

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