

## WHORL® TANK-MIX COMPATIBILITY

PLEASE ENSURE YOU READ THE NOTES SECTION BELOW

DowDuPont would support the following mixes in all winter and spring varieties of wheat and barley

- Whorl + ALS herbicide (Finish or Lector) + Fungicide + Chlormequat (see below for PGR rates)
- Whorl + ALS herbicide + 1 Fungicide + Trace element + adjuvant
- Whorl + ALS herbicide + 2 Fungicides + Trace element
- Whorl + 2 fungicides + 2 trace elements

In addition to the above in winter wheat only

- Whorl + ALS herbicide (Finish or Lector) + 2 Fungicides + PGR of choice
- Whorl + ALS herbicide + 2 Trace elements + PGR of choice
- Whorl + ALS herbicide + 1 Fungicide + Trace element + PGR off choice

DowDuPont will provide the following support:

- The physical compatibility of the mix
- The crop selectivity of the mix
- The efficacy of the Whorl

PGR could be any of the following:

- 1500g ai/ha CCC + Optimus 285ml/ha (Optimus read across from Moddus at 0.2 L/ha ie 50g ai/ha trinexapac)
- CCC alone – any rate
- Medax Max up to 0.5 kg/ha
- Medax Max + CCC up to 0.3kg+1.0 L/ha
- Canopy up to 0.8 L/ha
- Canopy + CCC up to 0.8 + 1.2 L/ha
- Terpal up to 1.0 L/ha + adjuvant

In addition Agrovista agree to provide feedback on the above mixes both during the season of use and at the end of the season to enhance guidance for the 2019 season. Where a mix above is causing adverse effects there is an agreement by all parties to communicate this in a timely manner to minimise further use of that particular mix.

<b>BOLD CAPITALS</b> = Physically & Biologically Compatible	<i>(Italics in brackets)</i> = Sprayable with Continuous Agitation	Red on Blue = PHYSICALLY INCOMPATIBLE
Normal = Physically Compatible	<b>(BOLD ITALICS IN BRACKETS)</b> = Biologically compatible - maintain constant agitation	RED CAPITAL ON BLUE = CROP INJURY

Herbicides <small>Where Ally Max SX is listed, any other brand of SU can be substituted.</small>			
ALLY MAX SX +/- HEADLAND Mn 400/HEADLAND JETT	sb	HEADLAND SAXON + NEW 5 C CYCOCEL	HURRICANE + BRAVO 500 + COMET 200 + VARIANO XPRO/BOOGIE XPRO
Ally Max + NSC + Headland Mn400/Copper/Jett		HEADLAND SAXON + TORCH + PROLINE	HURRICANE + BRAVO 500 + COMET 200 + CHORD/OPUS/SKYWAY 285 XPRO
ATLANTIS + BIOPOWER +/- Headland JETT/Mn400/STOMP AQUA/STOMP 400/LIBERATOR/PICONA	ww	HEADLAND SAXON + TORCH + PROLINE + HEADLAND JETT	HURRICANE + BRAVO 500 + COMET 200 + CAPALO/AMISTAR OPTI/OPERA
ATLANTIS + BIOPOWER +/- HURRICANE/CYCLOPS	ww	HEADLAND SAXON + TORCH + PROLINE + HEADLAND Mn 400	HURRICANE + BRAVO 500 + COMET 200 +/- PROLINE/HELIX/IGNITE/LIBRAX
AXIAL + ADIGOR	sb	HEADLAND SAXON +/- OPUS TEAM /TALIUS/TORCH +/- HEADLAND JETT	HURRICANE + BRAVO 500 + PROSARO + VERTISAN
BROADWAY STAR +/- Headland JETT/Mn400/STOMP AQUA/STOMP 400/LIBERATOR/PICONA	ww	HEADLAND SAXON +/- OPUS TEAM /TALIUS/TORCH +/- HEADLAND Mn400	HURRICANE + BRAVO 500 + IGNITE
BROADWAY STAR +/- HURRICANE/CYCLOPS	ww	Headland Saxon +/- Torch +/- Proline +/- Headland Mn 400/Jett	HURRICANE + TERPAL + ACTIVATOR 90
CYCLOPS +/- Headland JETT + NSC CYCOCEL	ww	Headland Trinity +Talius + Headland Jett	MCPA
CYCLOPS + BRAVO 500 + CENTAUR/CEANDO	ww	Headland Trinity +Talius + Headland Mn400	OPTICA TRIO + NEW 5 C CYCOCEL
Duplosan KV +/- NSC +/- Talius		Headland Trinity + NSC +/- Talius/Headland Jett	Optica Trio +Torch + Proline +/- Headland Mn400/Jett
DUPLOSAN KV + NEW 5 C CYCOCEL +/- TALIUS	sb	HORUS+BIOPOWER + Hdland JETT/Mn400/STOMP AQUA/STOMP400/LIBERATOR	OPTICA TRIO + TORCH + PROLINE +/- HEADLAND Mn 400/JETT
DUPLOSAN KV + TORCH + PROLINE +/- HEADLAND JETT	sb	HORUS + BIOPOWER + PICONA/HURRICANE/CYCLOPS	OPTICA TRIO + NEW 5 C CYCOCEL +/- TALIUS/HEADLAND JETT
DUPLOSAN KV +/- OPUS TEAM /TALIUS/TORCH +/- HEADLAND Mn400	sb	Headland Trinity + Opus Team + Headland Mn 400/Jett	OPTICA TRIO + OPUS TEAM /TALIUS /TORCH + HEADLAND Mn 400 /JETT
Duplosan KV +/- Opus Team/Talius/Torch +/- Headland Jett		Headland Trinity + Torch +/- Proline/Headland Mn400/Jett	OPTICA TRIO +/- OPUS TEAM /TALIUS/TORCH
Duplosan KV +/- Opus Team/Talius/Torch +/- Headland Mn 400		HEADLAND TRINITY + TORCH +/-PROLINE/HEADLAND Mn 400/JETT	PICONA +/- BRAVO500 + CEANDO / Headland JETT+3C
DUPLOSAN KV +/- TALIUS/TORCH +/- HEADLAND JETT	sb	HEADLAND TRINITY +/- OPUS TEAM/TALIUS +/- HEADLAND JETT	Oskar/Foxrot/Polecat
Duplosan KV +/- Torch +/- Proline +/- Headland Mn 400/Jett		HEADLAND TRINITY +/- OPUS TEAM/TALIUS +/- HEADLAND Mn 400	SWORD
EASEL	sw, w	Hurricane	TOPIK 240 EC + ACTIROB B
Gartrel +/- Jaunt +/- 3C 750 +/- Moddus		HURRICANE + BRAVO 500 + COMET 200 + TRACKER/PROLINE	UNITE + BIO SYL +/- Headland JETT/Mn400/STOMP AQUA/STOMP400
Gartrel +/- Librax +/-Varianso Xpro +/- Bravo +/- 3C +/- Moddus		HURRICANE + METEOR/CANOPI	UNITE + BIO SYL +/- LIBERATOR/PICONA/HURRICANE/CYCLOPS
HARMONY M SX +/- HEADLAND Mn 400/ HEADLAND JETT		HURRICANE +/- MODDUS500 + CEANDO / Headland JETT+3C	
Harmony M SX +NSC + Headland Mn400/Copper/Jett		HURRICANE + MODDUS/TOPIK 240 EC + ACTIROB B/AXIAL + ADIGOR	
Headland Saxon + NSC + Talius/Headland Jett		HURRICANE + BRAVO 500 + CENTAUR/TRACKER/PROSARO	
HEADLAND SAXON + NEW 5 C + TALIUS/HEADLAND JETT	sb	HURRICANE + BRAVO 500 + COMET 200 + ADEXAR/SEGURIS, AVIATOR 235 XPRO	

### Fungicides Tank mixes which are PB in spring barley can only be assumed PC in other approved crops. Tank mixes which are NC in spring barley are due to crop effects. Tank mixes in lower case which are NC are due to physical

ALLY MAX SX + NSC + Headland Mn400/COPPER/JETT	sb	BRAVO 500 + PROLINE/Folicur/Toledo +/- PROLINE	ww	Imtrex + Prosaro + Saxon/Trinity/Duplosan KV/Optica Trio
BONTIMA + ALLY MAX SX + Headland JETT/COPPER	sb	BRAVO 500 + CELLO/PROSARO	ww	Jaunt
BONTIMA + DUPLOSAN KV +/- NSC/Headland JETT/COPPER	sb	BRAVO 500 + COMET 200 + VERTISAN/LIBRAX/WOLVERINE	ww	RATIO SX + NSC + Headland Mn400/COPPER/JETT
BONTIMA + NSC + ALLY MAX SX/HARMONY M SX	sb	Cloister + Librax		RATIO SX
BONTIMA + HARMONY M SX +/- Headland JETT/COPPER	sb	FANDANGO + ALLY MAX SX/HARMONY M SX/RATIO SX	sb	SEGURIS + Headland SAXON/TRINITY/DUPLOSAN KV/OPTICA TRIO
BONTIMA + Headland SAXON +/- NSC/Headland JETT/COPPER	sb	Fielder	sb	SILTRA XPRO + ALLY MAX SX/HARMONY M SX/RATIO SX
BONTIMA + Headland TRINITY +/- NSC/Headland JETT/COPPER	sb	HARMONY M SX + Headland Mn400/COPPER/JETT	sb	Siltra Xpro + Axial + Adigor
BONTIMA + ALLY MAX SX + Headland JETT/Headland COPPER	sb	IMTREX + PROSARO + ALLY MAX SX/RATIO SX	sb	VERTISAN + PROSARO + ALLY MAX SX/HARMONY M SX/RATIO SX
BRAVO 500 + COMET 200 +				
CENTAUR/TRACKER/PROSARO/ADEXAR/SEGURIS/AVIATOR 235 XPRO	ww	IMTREX + PROSARO + DUPLOSAN KV/OPTICA TRIO	sb	VERTISAN + PROSARO + Headland TRINITY/DUPLOSAN KV
BRAVO 500 + COMET 200 + VARIANO XPRO/BOOGIE XPRO/CHORD/OPUS/SKYWAY 285 XPRO	ww	IMTREX + PROSARO + Headland SAXON/TRINITY	sb	Vertisan + Prosaro + Duplosan KV/Headland Trinity

BRAVO 500 + COMET 200 + CAPALO/AMISTAR OPTI/OPERA/PROLINE/HELIX/IGNITE	ww	IMTREX + PROSARO + HARMONY M SX	sb	
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<b>Insecticides</b>				
HALLMARK ZEON CS +/- SILTRA XPRO	sb	HALLMARK ZEON CS	ww	GF2372 (ISOCLAST ACTIVE)

<b>Nutrients</b>				
Bio 20		Headland Manganese + BRAVO 500 +PRIORI EXTRA/CEANDO/CENTAUR	ww	Magnesium Plus
DP 98		Headland COPPER + ARIZONA + CHEROKEE/CENTAUR		Micromax
Folex N		Headland COPPER + CHEROKEE/PRIORI EXTRA + BRAVO 500	ww	Super Mn
Folex Cu		Headland COPPER + CEANDO + BRAVO 500	ww	Sulpomex
Folex K		Managanese (Omex)	ww	SW 7
Headland JETT + PRIORI EXTRA + BRAVO500/CEANDO + BRAVO500	ww	Magnesium (Omex) 9%	ww	Vitomex
Headland JETT + BRAVO500+CENTAUR/ARIZONA+Folicur/Toledo/ARIZONA + CENTAUR/CHEROKEE	ww	Manganese (Omex) 15%		Zynergy
Headland Manganese+ARIZONA+CENTAUR/BRAVO500 +CENTAUR/CHEROKEE+/-ARIZONA		Kelpak		3X solution

<b>Adjuvants</b>				
Activator 90		Roller 50ml/ha		Spraymate (ActirobB)
Cropspray - 11e				

<b>Growth Regulators</b>				
3C	sw wb	3C + HARMONY M SX + Headland Mn400/COPPER/JETT	ww	3C 1,500g ai/ha + MODDUS 0.2 L/ha
3C + ALLY MAX SX + Headland Mn400/COPPER/JETT	ww	3C + HURRICANE + Headland Mn400/COPPER/JETT	ww	CANOPY + ALLY MAX SX/RATIO SX/HARMONY M SX
3C + ALLY MAX SX + Headland Mn400/COPPER/JETT	ww	3C + MODDUS 0.2 L/ha +/- BRAVO 500	ww	CANOPY +/-ALLY MAX SX/RATIO SX/HARMONY M SX
3C + ALLY MAX SX/RATIO SX/HARMONY M SX/	ww	3C + MODDUS 0.2 L/ha +/- BRAVO 500	ww	CANOPY 0.8 L/ha
3C + ALLY MAX SX/RATIO SX/HARMONY M SX/	ww	3C + MODDUS 0.2-0.4 + ALLY MAX SX/HARMONY M SX	ww	CANOPY 0.8 L/ha
3C + ARIZONA + IGNITE/CENTAUR	ww	3C + MODDUS 0.2-0.4 + ALLY MAX SX/HARMONY M SX	ww	CERONE + ALLY MAX SX/HARMONY M SX/RATIO SX
3C + ARIZONA + IGNITE/CENTAUR	ww	3C + MODDUS 0.2-0.4 + RATIO SX/HURRICANE	ww	Cerone + Ally Max SX/Harmony M SX/Ratio SX
3C + BRAVO 500 +/- CENTAUR/PRIORI EXTRA/CEANDO/IGNITE + JAUNT	ww	3C + MODDUS 0.2-0.4 + RATIO SX/HURRICANE	ww	MEDAX MAX 0.5 kg/ha
3C + BRAVO 500 +/- PROLINE + Imtrex	ww	3C + MODDUS 0.4 L/ha +/- BRAVO 500	ww	Medex Max (0.5) + 3C chlormequat +Axial + Adigor +/- Untrex +/- Osirus P +/- Opus Team
3C + CHEROKEE/MODDUS 0.2 L/ha	ww	3C + MODDUS 0.4 L/ha +/- BRAVO 500	ww	Medex Max (0.5) + 3C chlormequat +Axial + Adigor +/-Opus Team
3C + CHEROKEE/MODDUS 0.2 L/ha	ww	3C + RATIO SX + Headland Mn400/COPPER/JETT	ww	METEOR +/- ALLY MAX SX/RATIO SX/HARMONY M SX
3C + HARMONY M SX + Headland Mn400/COPPER/JETT	ww	3C + RATIO SX + Headland Mn400/COPPER/JETT	ww	MODDUS 0.2 L/ha

**NOTES**

All above mixes are also supported with Pixxaro + Gartrel

Alternative Brand Names:-

Headland Saxon = High Load Mircam, Headland Trinity = Mircam Plus

Where it states Atlantis – read across to Pacifica, Horus, Hatra, Hamlet, Monolith and Othello with the same level of support

Where it states Axial read across to clodinafop with the same level of support

Brand names can be interchanged for an alternative brand name with the same level of support, PROVIDED:

it is the same active(s)

it is the same formulation type

When used it does NOT deliver more ai than the brand named on the tank mix sheet

This tank-mix summary sheet provides information in addition to what appears on product labels. Dow AgroSciences supports the safety and efficacy of its products for tank-mixes shown as Physically and Biologically Compatible, but does not warrant the efficacy of other tank-mix partners. Where only Physical Compatibility or Sprayable with Continuous Agitation is shown, Dow AgroSciences has no biological data regarding efficacy or crop safety and only supports the compatibility, so growers use these mixes at their own risk.

For tank-mixes of more than two products which are not specifically listed, only what is known about the products when in two-way mix is shown, users must make their own judgment about the more complicated mixes which they may choose to use at their own risk. Similarly, a number of products are shown which have been replaced by more recent formulations for which tests have not been carried out. However the information is included for the user to draw their own conclusions.

**Important Note:** tank-mixes should only be made within the label recommendations of every product in the application.

Supported by DeSangosse: X-Change, X-Clude, AquaScope. For further information contact DeSangosse.

**USE PLANT PROTECTION PRODUCTS SAFELY. ALWAYS READ THE LABEL AND PRODUCT INFORMATION BEFORE USE. FOR FURTHER INFORMATION INCLUDING WARNING PHRASES AND SYMBOLS PLEASE REFER TO THE PRODUCT LABEL**

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Whorl EC contains halauxifen-methyl, fluroxypyr and cloquintocet-mexyl.  
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