

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:

1. The physical compatibility of the mix
2. The crop selectivity of the mix
3. 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.

BOLD CAPITALS = Physically & Biologically Compatible	<i>(Italics in brackets) = Sprayable with Continuous Agitation</i>	Red on Blue = PHYSICALLY INCOMPATIBLE
BOLD CAPITALS* = ON LABEL	(BOLD ITALICS IN BRACKETS) = PB & CA	RED CAPITAL ON BLUE = CROP INJURY
Normal = Physically Compatible		

Herbicides <i>Where Ally Max SX is listed, any other brand of SU can be substituted.</i>			
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 + N5C + Headland Mn400/Copper/Jett		HEADLAND SAXON + TORCH + PROLINE	sb HURRICANE + BRAVO 500 + COMET 200 + CHORD/OPUS/SKYWAY 285 XPRO
ATLANTIS + BIOPOWER +/- Headland JETT/Mn400/STOMP	ww	HEADLAND SAXON + TORCH + PROLINE + HEADLAND JETT	sb HURRICANE + BRAVO 500 + COMET 200 + CAPALO/AMISTAR
AQUA/STOMP 400/LIBERATOR/PICONA	ww	HEADLAND SAXON + TORCH + PROLINE + HEADLAND Mn 400	sb OPTI/OPERA
ATLANTIS + BIOPOWER +/-HURRICANE/CYCLOPS	ww	HEADLAND SAXON +/- OPUS TEAM /TALIUS/TORCH +/-HEADLAND JETT	sb HURRICANE + BRAVO 500 + COMET 200 +/- PROLINE/HELIX/IGNITE/LIBRAX
AXIAL + ADIGOR	sb	HEADLAND SAXON +/- OPUS TEAM /TALIUS/TORCH +/-HEADLAND MN400	sb HURRICANE + BRAVO 500 + PROSARO + VERTISAN
BROADWAY STAR+/-Headland JETT/Mn400/STOMP AQUA/STOMP 400/LIBERATOR/PICONA	ww	Headland Saxon +/- Torch +/- Proline +/- Headland Mn 400/Jett	sb HURRICANE + BRAVO 500 + IGNITE
BROADWAY STAR+/-HURRICANE/CYCLOPS	ww	Headland Trinity +Talius + Headland Jett	sb HURRICANE + TERPAL + ACTIVATOR 90
CYCLOPS +/- Headland JETT + N5C CYCOCEL	ww	Headland Trinity +Talius + Headland Mn400	sb OPTICA TRIO + NEW 5 C CYCOCEL
CYCLOPS + BRAVO 500 + CENTAUR/CEANDO	ww	Headland Trinity + N5C +/- Talius/Headland Jett	sb Optica Trio +Torch + Proline +/-Headland Mn400/Jett
Duplosan KV + N5C +/- Talius	sb	HORUS+BIOPOWER + Hdland JETT/Mn400/STOMP	sb OPTICA TRIO + TORCH + PROLINE +/- HEADLAND Mn 400/JETT
DUPLOSAN KV + NEW 5 C CYCOCEL +/- TALIUS	sb	AQUA/STOMP400/LIBERATOR	ww OPTICA TRIO + NEW 5 C CYCOCEL +/- TALIUS/HEADLAND JETT
DUPLOSAN KV + TORCH + PROLINE +/- HEADLAND JETT	sb	HORUS + BIOPOWER + PICONA/HURRICANE/CYCLOPS	ww OPTICA TRIO + OPUS TEAM /TALIUS /TORCH + HEADLAND Mn 400 /JETT
DUPLOSAN KV +/- OPUS TEAM /TALIUS/TORCH +/- HEADLAND Mn400	sb	Headland Trinity + Opus Team + Headland Mn 400/Jett	sb OPTICA TRIO +/- OPUS TEAM /TALIUS/TORCH
Duplosan KV +/- Opus Team/Talius/Torch +/- Headland Jett		Headland Trinity + Torch +/- Proline/Headland Mn400/Jett	sb PICONA +/- BRAVO500 + CEANDO / Headland JETT+3C
Duplosan KV +/- Opus Team/Talius/Torch +/- Headland Mn 400	sb	HEADLAND TRINITY + TORCH +/-PROLINE/HEADLAND Mn 400/JETT	ww Oskar/Foxtrot/Polecat
DUPLOSAN KV +/- TALIUS/TORCH +/- HEADLAND JETT	sb	HEADLAND TRINITY +/- OPUS TEAM/TALIUS +/- HEADLAND JETT	sb SWORD
Duplosan KV +/- Torch +/- Proline +/- Headland Mn 400/Jett	sb	HEADLAND TRINITY +/- OPUS TEAM/TALIUS +/- HEADLAND Mn 400	sb TOPIK 240 EC + ACTIROB B
EASEL	sw, ww	Hurricane	ww UNITE + BIO SYL +/- Headland JETT/Mn400/STOMP AQUA/STOMP400
Gartrel +/- Jaunt +/- 3C 750 +/- Moddus		HURRICANE + BRAVO 500 + COMET 200 + TRACKER/PROLINE	ww UNITE + BIO SYL +/- LIBERATOR/PICONA/HURRICANE/CYCLOPS
Gartrel +/- Librax +/-Variano Xpro +/- Bravo +/- 3C +/- Moddus		HURRICANE + METEOR/CANOPY	
HARMONY M SX +/- HEADLAND Mn 400/ HEADLAND JETT		HURRICANE +/- BRAVO500 + CEANDO / Headland JETT+3C	
Harmony M SX +N5C + Headland Mn400/Copper/Jett		HURRICANE + MODDUS/TOPIK 240 EC + ACTIROB B/AXIAL + ADIGOR	
Headland Saxon + N5C + 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 <i>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</i>			
ALLY MAX SX + N5C + 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 +/- N5C/Headland JETT/COPPER	sb	BRAVO 500 + COMET 200 + VERTISAN/LIBRAX/WOLVERINE	ww RATIO SX + N5C + Headland Mn400/COPPER/JETT
BONTIMA + N5C + ALLY MAX SX/HARMONY M SX	sb	Cloister + Librax	ww 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 +/- N5C/Headland JETT/COPPER	sb	Fielder	sb SILTRA XPRO + ALLY MAX SX/HARMONY M SX/RATIO SX
BONTIMA + Headland TRINITY +/- N5C/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 BRAVO 500 + COMET 200 + CAPALO/AMISTAR OPTI/OPERA/PROLINE/HELIX/IGNITE	ww	IMTREX + PROSARO + Headland SAXON/TRINITY	sb	Vertisan + Prosaro + Duplosan KV/Headland Trinity
	ww	IMTREX + PROSARO + HARMONY M SX	sb	

Insecticides				
HALLMARK ZEON CS +/- SILTRA XPRO	sb	HALLMARK ZEON CS	ww	GF2372 (ISOCLAST ACTIVE)

Nutrients				
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

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

Growth Regulators				
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		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		CANOPY 0.8 L/ha
3C + ARIZONA + IGNITE/CENTAUR	ww	3C + MODDUS 0.2-0.4 + ALLY MAX SX/HARMONY M SX		CERONE + ALLY MAX SX/HARMONY M SX/RATIO SX
3C + ARIZONA + IGNITE/CENTAUR	ww	3C + MODDUS 0.2-0.4 + RATIO SX/HURRICANE		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		MEDAX MAX 0.5 kg/ha
3C + BRAVO 500 +/- PROLINE + Imtrex	ww	3C + MODDUS 0.4 L/ha +/- BRAVO 500		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		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.