

WHORL™ EC TANK-MIX COMPATIBILITY IN WINTER WHEAT

PLEASE ENSURE YOU READ THE NOTES SECTION BELOW
This version supersedes all previous editions

Scroll down for winter barley, spring wheat & spring barley compatibilities

FOR FINISH SX READ ACROSS TO ALLY MAX SX, ALIAS SX, COUNTER SX AND JUBILEE SX

Corteva Agriscience would support the replacement of fluroxypyr for Whorl in the following mixes in all winter wheat varieties.

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

Corteva Agriscience 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:

- 950g ai/ha CCC + Optimus 285ml/ha (Optimus read across from Moddus at 0.2l/ha ie 50g ai/ha trinexapac)
- Optimus 285ml/ha (Optimus read across from Moddus at 0.2l/ha ie 50 g ai/ha trinexapac)
- CCC alone – any rate
- Medax Max up to 0.5 kg/ha
- Medax Max + CCC up to 0.3 kg + 1.0 l/ha
- Canopy up to 0.8 L/ha
- Canopy + CCC up to 0.8 + 1.2L/ha
- Terpal up to 1.0 L/ha + adjuvant

In addition Agrovista agrees 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 forthcoming 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)</i> = Sprayable with Continuous Agitation	Red on Blue = PHYSICALLY INCOMPATIBLE
Normal = Physically Compatible	(BOLD ITALICS IN BRACKETS) = Biologically compatible - maintain constant agitation	RED CAPITAL ON BLUE = CROP INJURY

Adjuvants

ADIGOR 0.5%	PHASE II	Spryte Aqua CF
BIOPOWER	SPOS88	TOIL
BIO SYL	Spraymate	WET-CIT
KANTOR	SPRYTE AQUA	Zarado
MSOs		

Herbicides - FOR ALLY MAX SX READ ACROSS TO ALIAS SX, ANSWER SX, AVRO SX, BIPLAY SX, CHIMERA SX, CLEANCROP MONDIAL, FINISH SX, GROPPER SX, INKA SX, JUBILEE SX, LORATE, PRESITE SX, RATIO SX, REFINE MAX SX, SIMBA SX, TRATON SX. FOR HARMONY M SX READ ACROSS TO CONCERT SX, MOSAIC SX AND PENNANT. FOR HORUS READ ACROSS TO ATLANTIS OD AND HATRA

ALLY MAX SX	BROADWAY STAR + STOMP AQUA + BIOSYL	LIBERATOR
ATLANTIS OD + BIOPOWER	CYCLOPS + HORUS + BIOPOWER	MIRCAM PLUS
ATLANTIS OD + CYCLOPS + BIOPOWER	DEFY + HORUS + BIOPOWER	OPTICA TRIO
ATLANTIS OD + DEFY + BIOPOWER	DUPLOSAN KV	<i>(Pacifica Plus)</i>
ATLANTIS OD + HURRICANE + BIOPOWER	EASEL	<i>(Pacifica WG)</i>
ATLANTIS OD + LIBERATOR + BIOPOWER	HORUS + BIOPOWER	PICONA + BIOSYL
ATLANTIS OD + PICONA + BIOPOWER	HORUS + HURRICANE + BIOPOWER	PRESITE SX
ATLANTIS OD + STOMP 400SC + BIOPOWER	HORUS + LIBERATOR + BIOPOWER	<i>(Proverb)</i>
ATLANTIS OD + STOMP AQUA + BIOPOWER	HORUS + PICONA + BIOPOWER	PROMPT
<i>(Axial Pro)</i>	HORUS + STOMP 400 SC + BIOPOWER	RATIO SX
BROADWAY STAR + BIOSYL	HORUS + STOMP AQUA + BIOPOWER	REFINE MAX SX
BROADWAY STAR + CYCLOPS + BIOSYL	HURRICANE	SAXON
BROADWAY STAR + HURRICANE + BIOSYL	HURRICANE + TOPIK 240 EC + ACTIROB	STOMP 400 SC
BROADWAY STAR + LIBERATOR + BIOSYL	HYPRONE P	STOMP AQUA
BROADWAY STAR + PICONA + BIOSYL	Inka SX + Optica Trio	TOPIK 240 EC + ACTIROB
BROADWAY STAR + STOMP 400 SC + BIOSYL	ISOMEC ULTRA	

Fungicides

Aderya XE#	Diadem XE#	<i>(Lentyma XE + Mojave)</i>
Ascra Xpro	Elatus Era	Librax
ASCRA XPRO + COMET 200	FOLICUR	MANITOBA + TALIU
AVIATOR 235 XPRO + COMET	FOLICUR + PROLINE	Mivyto + Lincano#
BOOGIE XPRO + COMET 200	FOLICUR + PROSARO	Mobius
CELLO	HELIX	<i>(Mojave)</i>
CELLO + FOLICUR	Helix + Imtrex	<i>(Mojave + Revystar XE)</i>
COMET 200	Helix + Mobius	Phoenix
COMET 200 + Elatus Era	Helix + Swift SC	PROLINE
COMET 200 + HELIX	Imperis XE + Lenvyor Duo + Phoenix#	PROSARO
COMET 200 + LIBRAX	Imtrex	<i>(Protefin)</i>
COMET 200 + PROLINE	Imtrex + Kestrel	Provyto XE#
COMET 200 + PROSARO	IMTREX + PROLINE	<i>(Revystar XE)</i>
COMET 200 + SKYWAY 235 XPRO + AQUASCOPE	JAUINT	SKYWAY XPRO + AQUASCOPE + ACTIVATOR 90
COMET 200 + SKYWAY XPRO + AQUASCOPE + ACTIVATOR 90	Kestrel	TALIUS
COMET 200 + VARIANO XPRO	Kestrel + Mobius	<i>(Unix)</i>
CYFLAMID + MANITOBA	Kestrel + Swift SC	VAREON
	<i>(Lentyma XE)</i>	Verdyor XE#

Insecticides

HALLMARK WITH ZEON	PERMASECT 500 EC	SUMI-ALPHA
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Plant Growth Regulators - Do not apply in mix with Whorl if crop under stress. Only use chlormequat products approved for use on winter wheat

CANOPY 1l/ha	CHLORMEQUAT + MODDUS 0.2L/HA	METEOR
CANOPY + CHLORMEQUAT	CHLORMEQUAT + MODDUS 0.4L/HA	MODDUS 0.2L/HA
CERONE 0.5L/HA	MEDAX MAX 0.5KG/HA	TERPAL 1.0L/HA + ACTIVATOR 90
CHLORMEQUAT	MEDAX MAX 0.75KG/HA	

Trace Elements

Bittersalt	<i>(Magflo 300)</i>	<i>(Nutriwise HiQ)</i>
<i>(Bortrac)</i>	<i>(Magphos K)</i>	<i>(Nutriwise Mag Nite)</i>
<i>(Brassitrel)</i>	<i>(Maize Boost)</i>	<i>(Nutriwise Maxstim)</i>
<i>(Crophift)</i>	<i>(Mancozin)</i>	<i>(Nutriwise PK Plus)</i>
<i>(Crotrel)</i>	<i>(Mancufla)</i>	<i>(Photel Pro)</i>
<i>(Ferleaf)</i>	<i>(Mantrac DF)</i>	<i>(Safe N 300)</i>
FMC COPPER	<i>(Mantrac Pro)</i>	<i>(StopIt)</i>
FMC JETT	<i>(Multiple Pro)</i>	<i>(Zntrac 700)</i>
<i>(Foliar Potash)</i>	N-Lock	Universal Bio
<i>(Gramitrel)</i>	<i>(Nutriwise Copper)</i>	Verdicrop 4-Yield Extra

Human Z50	(Nutriwise Fosfitya)	Vytel Liquid Copper
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COMBINATION MIXES

HERBICIDES PLUS FUNGICIDES		
ALLY MAX SX + FANDANGO	HURRICANE + BOOGIE XPRO + COMET 200 200	Optica Trio + Helix
ALLY Max SX + Imperis XE + Lenvory Duo + Phoenix#	HURRICANE + CAPALO + COMET 200	OPTICA TRIO + IMITREX + PROSARO
ALLY MAX SX + IMITREX + PROSARO	HURRICANE + COMET 200	Optica Trio + Kestrel
ALLY MAX SX + MOBIUS	HURRICANE + COMET 200 + HELIX	Optica Trio + Manitoba
ALLY MAX SX + PROSARO	HURRICANE + COMET 200 + LIBRAX	OPTICA TRIO + TALIUUS
ALLY MAX SX + TALIUUS	HURRICANE + COMET 200 + PROLINE	Optica Trio + Vareon
CHIMERA SX + FANDANGO	HURRICANE + COMET 200 + SKYWAY 285 XPRO	PROMPT + IMITREX + PROSARO
DUPLOSAN KV + PROSARO	HURRICANE + COMET 200 + VARIANO XPRO	(Prompt + Manitoba)
DUPLOSAN KV + TALIUUS	HURRICANE + PROSARO	PROMPT + PROLINE
Gartrel + Jaunt	Inka SX + Helix	PROMPT + TALIUUS
Gartrel + Librax	Inka SX + Kestrel	Prompt + Vareon
Gartrel + Variano Xpro	Inka SX + Manitoba	RATIO SX + FANDANGO
HARMONY M SX+ HELIX + IMITREX	Inka SX + Vareon	RATIO SX + IMITREX + PROSARO
HARMONY M SX+ HELIX	Isomec Ultra + Helix	RATIO SX + PROSARO
HARMONY M SX + HELIX + MOBIUS	Isomec Ultra + Kestrel	SAXON + IMITREX + PROSARO
HARMONY M SX + IMITREX + PROSARO	Isomec Ultra + Manitoba	(Saxon + Manitoba)
HARMONY M SX + MOBIUS + PROSARO	Isomec Ultra + Vareon	SAXON + PROLINE
HARMONY M SX + PROSARO	MIRCAM PLUS + PROSARO	SAXON + TALIUUS
HURRICANE + AVIATOR 235 XPRO + COMET 200	MIRCAM PLUS + TALIUUS	Saxon + Vareon

HERBICIDES PLUS FUNGICIDES AND TRACE ELEMENTS

ALLY MAX SX + PROLINE + FMC JETT	HARMONY M SX + HELIX + IMITREX + HUMAN Z50	PROMPT + PROLINE + FMC JETT
ALLY MAX SX + PROLINE + FMC MANGANESE	HARMONY M SX + HELIX + MOBIUS + HUMAN Z50	PROMPT + PROLINE + FMC MN 400
ALLY MAX SX + TALIUUS + FMC JETT	HARMONY M SX + HELIX + SWIFT SC + HUMAN Z50	PROMPT + TALIUUS + FMC JETT
CYCLOPS + TALIUUS + FMC JETT	HARMONY M SX + IMITREX + PROSARO + HUMAN Z50	PROMPT + TALIUUS + FMC MN 400
CYCLOPS + TALIUUS + FMC MN 400	HARMONY M SX + MOBIUS + PROSARO + HUMAN Z50	SAXON + PROLINE + FMC JETT
DUPLOSAN KV + PROLINE + FMC JETT	HARMONY M SX + PROSARO + HUMAN Z50	SAXON + PROLINE + FMC MN 400
DUPLOSAN KV + PROSARO + FMC JETT	HARMONY SX + PROSARO + SWIFT SC + HUMAN Z50	SAXON + TALIUUS + FMC JETT
DUPLOSAN KV + TALIUUS + FMC JETT	MIRCAM PLUS + TALIUUS + FMC MN 400	SAXON + TALIUUS + FMC MN 400
DUPLOSAN KV + TALIUUS + FMC MN 400	OPTICA TRIO + TALIUUS + FMC JETT	
HARMONY M SX + HELIX + HUMAN Z50	OPTICA TRIO + TALIUUS + FMC MN 400	

HERBICIDES PLUS FUNGICIDES AND PLANT GROWTH REGULATORS

ALLY MAX SX + FANDANGO + CHLORMEQUAT	CYCLOPS + TALIUUS + CHLORMEQUAT	HARMONY M SX + MOBIUS + CHLORMEQUAT
ALLY MAX SX + PROLINE + CHLORMEQUAT	DUPLOSAN KV + TALIUUS + CHLORMEQUAT	MIRCAM PLUS + TALIUUS + CHLORMEQUAT
ALLY MAX SX + PROSARO + CHLORMEQUAT	Gartrel + Variano Xpro + Chlormequat + Moddus 0.2l/ha	OPTICA TRIO + TALIUUS + CHLORMEQUAT
CYCLOPS + FANDANGO + CHLORMEQUAT	Gartrel + Jaunt + 3C 750 chlormequat	Prompt + Talium + Chlormequat
	Gartrel + Jaunt + Moddus	Saxon + Talium + Chlormequat

HERBICIDES PLUS FUNGICIDES AND PLANT GROWTH REGULATORS AND TRACE ELEMENTS

ALLY MAX SX + PROLINE + CHLORMEQUAT + FMC MANGANESE	CYCLOPS + FANDANGO + CHLORMEQUAT + FMC JETT	DUPLOSAN KV + CHLORMEQUAT + FMC JETT
ALLY MAX SX + PROSARO + CHLORMEQUAT + FMC JETT	CYCLOPS + FANDANGO + CHLORMEQUAT + FMC MN 400	SAXON + TALIUUS + CHLORMEQUAT + FMC MN 400

HERBICIDES PLUS PLANT GROWTH REGULATORS

ALLY MAX SX + CANOPY	Gartrel + Chlormequat	Inka SX + Chlormequat
ALLY MAX SX + CERONE	Gartrel + Moddus	ISOMEC ULTRA + CHLORMEQUAT
ALLY MAX SX + CHLORMEQUAT	HARMONY M SX + CANOPY	MIRCAM PLUS + CHLORMEQUAT
ALLY MAX SX + CHLORMEQUAT + MODDUS 0.2L/HA	HARMONY M SX + CHLORMEQUAT	OPTICA TRIO + CHLORMEQUAT
ALLY MAX SX + CHLORMEQUAT + MODDUS 0.4L/HA	HARMONY M SX + CHLORMEQUAT + MODDUS 0.4L/HA	PROMPT + CHLORMEQUAT
ALLY MAX SX + MEDAX MAX 0.5KG.HA	HARMONY M SX + METEOR	RATIO SX + CANOPY
ALLY MAX SX + METEOR	HARMONY M SX + TERPAL 1l/ha + ACTIVATOR 90	RATIO SX + CERONE
ALLY MAX SX + TERPAL 1l/ha + ACTIVATOR 90	HURRICANE + CANOPY	RATIO SX + CHLORMEQUAT
CHIMERA SX + CERONE	HURRICANE + CHLORMEQUAT + MODDUS 0.2L/HA	RATIO SX + CHLORMEQUAT + MODDUS 0.4L/HA
CHIMERA SX + TERPAL 1l/ha + ACTIVATOR 90	HURRICANE + METEOR	RATIO SX + METEOR
DUPLOSAN KV + CHLORMEQUAT	HURRICANE + MODDUS 0.2L/HA	RATIO SX + TERPAL 1l/ha + ACTIVATOR 90
	HURRICANE + TERPAL + ACTIVATOR 90	SAXON + CHLORMEQUAT

HERBICIDES PLUS PLANT GROWTH REGULATORS AND TRACE ELEMENTS

ALLY MAX SX + CHLORMEQUAT + FMC COPPER	HARMONY M SX + CHLORMEQUAT + FMC COPPER	PICONA + CHLORMEQUAT + FMC JETT
ALLY MAX SX + CHLORMEQUAT + FMC JETT	HARMONY M SX + CHLORMEQUAT + FMC JETT	PROMPT + CHLORMEQUAT + FMC JETT
ALLY MAX SX + CHLORMEQUAT + FMC MN 400	HARMONY M SX + CHLORMEQUAT + FMC MN 400	PROMPT + CHLORMEQUAT + FMC MN 400
CHIMERA SX + CHLORMEQUAT + FMC COPPER	HURRICANE + CHLORMEQUAT + FMC COPPER	RATIO SX + CHLORMEQUAT + FMC COPPER
CHIMERA SX + CHLORMEQUAT + FMC JETT	HURRICANE + CHLORMEQUAT + FMC JETT	RATIO SX + CHLORMEQUAT + FMC JETT
CHIMERA SX + CHLORMEQUAT + FMC MN 400	HURRICANE + CHLORMEQUAT + FMC MN 400	RATIO SX + CHLORMEQUAT + FMC MN400
CYCLOPS + CHLORMEQUAT + FMC JETT	MIRCAM PLUS + CHLORMEQUAT + FMC JETT	REFINE MAX SX + CHLORMEQUAT + FMC JETT
CYCLOPS + CHLORMEQUAT + FMC MN 400	MIRCAM PLUS + CHLORMEQUAT + FMC MN 400	REFINE MAX SX + CHLORMEQUAT + FMC MN 400
DUPLOSAN KV + CHLORMEQUAT + FMC JETT	OPTICA TRIO + CHLORMEQUAT + FMC JETT	SAXON + CHLORMEQUAT + FMC JETT
DUPLOSAN KV + CHLORMEQUAT + FMC MN 400	OPTICA TRIO + CHLORMEQUAT + FMC MN 400	SAXON + CHLORMEQUAT + FMC MN 400

HERBICIDES PLUS TRACE ELEMENTS

ALLY MAX SX + FMC JETT	HORUS + FMC JETT + BIOPOWER	Isomec Ultra + Vytel Liquid Copper
ALLY MAX SX + FMC MN 400	HORUS + FMC MN 400 + BIOPOWER	Optica Trio + FMC Copper
ATLANTIS OD + FMC JETT + BIOPOWER	Inka SX + FMC Copper	Optica Trio + Vytel Liquid Copper
ATLANTIS OD + FMC MN 400 + BIOPOWER	Inka SX + Human Z50	Optica Trio + Human Z50
BROADWAY STAR + FMC JETT + BIOSYL	Inka SX + Verdicrop 4-Yield Extra	Optica Trio + Verdicrop 4-Yield Extra
BROADWAY STAR + FMC MN 400 + BIOSYL	Inka SX + Vytel Liquid Copper	Prompt + FMC Copper
HARMONY M SX + FMC JETT	Isomec Ultra + FMC Copper	Prompt + Human Z50
HARMONY M SX + FMC MN 400	Isomec Ultra + Human Z50	Saxon + FMC Copper
	Isomec Ultra + Verdicrop 4-Yield Extra	Saxon + Human Z50

FUNGICIDES PLUS INSECTICIDES

Ascra Xpro + COMET 200 + Hallmark with Zeon*	FANDANGO + HALLMARK WITH ZEON	
COMET 200 + Elatus Era + Hallmark with Zeon	PROSARO + HALLMARK WITH ZEON	

FUNGICIDES PLUS PLANT GROWTH REGULATORS

Aderya XE + chlormequat + Medax Max#	Kestrel + Chlormequat	SKYWAY XPRO + AQUASCOPE + CERONE
ARIZONA + CHLORMEQUAT	Lentyma XE + chlormequat + Medax Max#	SKYWAY 285 XPRO + AQUASCOPE + CHLORMEQUAT
Ascra Xpro + COMET 200 + Terpal	MANITOBA + AQUASCOPE + CHLORMEQUAT	SKYWAY XPRO + AQUASCOPE + TERPAL + ACTIVATOR 90
COMET 200 + Elatus Era + Terpal	MANITOBA + AQUASCOPE + CANOPY 0.5L/HA + CHLORMEQUAT	SKYWAY XPRO + CANOPY 0.5L/HA + CHLORMEQUAT
COMET 200 + FANDANGO + TERPAL 1L/HA	MANITOBA + CHLORMEQUAT + MODDUS 0.2L/HA	SKYWAY XPRO + CHLORMEQUAT + MODDUS 0.2L/HA
Diadem XE + chlormequat + Medax Max#	Provyto XE + chlormequat + Medax Max#	Vareon + Chlormequat
Diadem XE + chlormequat + Moddus#	Provyto XE + chlormequat + Moddus#	Verydor XE + chlormequat + Medax Max#
Helix + Chlormequat	Revystar XE + chlormequat + Medax Max#	Verydor XE + chlormequat + Moddus#
IMITREX + PROLINE + TERPAL + ACTIVATOR 90	Revystar XE + chlormequat + Moddus#	

FUNGICIDES PLUS TRACE ELEMENTS

ARIZONA + FOLICUR + FMC JETT	ARIZONA + FMC MN 400	
ARIZONA + FMC COPPER	MOBIUS + HUMAN Z50	
ARIZONA + FMC JETT		

PLANT GROWTH REGULATORS PLUS TRACE ELEMENTS

Chlormequat + FMC Copper	Chlormequat + Verdicrop 4-Yield Extra	
Chlormequat + Human Z50	Chlormequat + Vytel liquid Copper	

This summary sheet provides information on tank-mixes conducted with this product. Corteva Agriscience™ gives no warranty or accepts no liability in respect to compatibilities that are beyond the label. This additional information is for guidance purposes only and use is at grower's risk.

Important Note: Do not use any tank-mix if the mixture cannot be applied within the recommendations for individual products or if specific tank-mix restrictions apply.

Larger, more complicated mixes, unlisted mixes or replacing alternative products to those listed in this table are not endorsed. However, for further information or to register a tank-mix request please contact your local Corteva representative or call the Technical Hotline on 0800 689 8899

CORTEVA AGRISCIENCE

Physical compatibility data is based on the results of an industry recognised standard test. Be aware that in the field, water hardness, PH, temperature etc. can vary. Biological compatibility data are based on a small number of field trials, Corteva Agriscience™ cannot

warrant the efficacy of other tank-mix partners. Where only Physical Compatibility or Spray able with Continuous Agitation is shown, Corteva Agriscience™ has no biological data regarding efficacy or crop safety and only has data on physical compatibility, so growers use these mixes at their own risk.

Notes

- Check mixing order with BASF

Changes

14th May - updated PGR comments; 24th March 2021 - addition of Multiple Pro, Protefin, Proverb and Unix; 22nd April 2021 - removal of withdrawn products; 17th May 2021 - addition of Jaunt; 9th March 2022 - Removal of withdrawn products. Addition of Spryte Aqua CF; Spraymate and Zarado, based on information received from De Sangosse; 22nd May 2023 - addition of Revystar products, based on information received from BASF

**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 contains fluroxypyr + halauxifen-methyl

Technical Hotline: 0800 689 8899 | ukhotline@corteva.com | corteva.co.uk

WHORL® TANK-MIX COMPATIBILITY IN WINTER BARLEY

PLEASE ENSURE YOU READ THE NOTES SECTION
This version supersedes all previous editions

FOR FINISH SX READ ACROSS TO ALLY MAX X, ALIAS SX, COUNTER SX AND JUBILEE SX.

Corteva Agriscience would support the replacement of fluroxypyr for Whorl in the following mixes in all winter barley varieties.

- Whorl + ALS herbicide (Finish SX or Lector) + Fungicide + PGR (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

Corteva Agriscience 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:

- 950g 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
- Canopy up to 0.8 L/ha
- Optimus 285ml/ha (Optimus read across from Moddus at 0.2 L/ha ie 50g ai/ha trinexapac)
- 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 forthcoming 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)</i> = Sprayable with Continuous Agitation	Red on Blue = PHYSICALLY INCOMPATIBLE
Normal = Physically Compatible	(BOLD ITALICS IN BRACKETS) = Biologically compatible - maintain constant agitation	RED CAPITAL ON BLUE = CROP INJURY

Adjuvants

ADIGOR 0.5%	PHASE II	Spryte Aqua CF
BIOPOWER	SPO588	TOIL
BIO SYL	Spraymate	WET-CIT
KANTOR	SPRYTE AQUA	Zarado
MSOs		

Herbicides - FOR ALLY MAX SX READ ACROSS TO ALIAS SX, ANSWER SX, AVRO SX, BIPLAY SX, CHIMERA SX, CLEANCROP MONDIAL, FINISH SX, GROPPER SX, INKA SX, JUBILEE SX, LORATE, PRESITE SX, RATIO SX, REFINE MAX SX, SIMBA SX, TRATON SX.

ALLY MAX SX	HYPRONE P	PICONA
<i>(Axial Pro)</i>	Inka SX + Optica Trio	PRESITE SX
DUPOSAN KV	ISOMEC ULTRA	PROMPT
EASEL	MIRCAM PLUS	RATIO SX
HURRICANE	OPTICA TRIO	REFINE MAX SX
		SAXON

Fungicides

Ascra Xpro	HELIX	Kestrel + Zulu
BONTIMA	Helix + Imtrex	Librax
BONTIMA + COMET 200	Helix + Mobius	MANITOBA
BONTIMA + COMET 200 + PROLINE	Helix + Swift	PROLINE
Bontima + Siltra Xpro	Helix + Zulu	PROSARO
CELLO + FOLICUR	Imtrex + Kestrel	<i>(Protefin)</i>
COMET 200 + FANDANGO	Imtrex	SILTRA XPRO
FOLICUR	JAUNT	TALIUS
FOLICUR + PROSARO	Kestrel	<i>(Unix)</i>
FANDANGO	Kestrel + Mobius	VAREON
Fandango + Siltra Xpro	Kestrel + Swift	

Insecticides

HALLMARK WITH ZEON		
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Plant Growth Regulators - Do not apply in mix with Whorl if crop under stress. Only use chlormequat products approved for use on winter barley

CANOPY 1l/ha	CHLORMEQUAT	MEDAX MAX 0.75KG/HA
CANOPY + CHLORMEQUAT	CHLORMEQUAT + MODDUS 0.2L/HA	MODDUS 0.2L/HA
CERONE 0.5L/HA	MEDAX MAX 0.5KG/HA	TERPAL 1.0L/HA + ACTIVATOR 90

Trace Elements

Bittersaltz	Magfla 300	<i>(Nutriwise HiQ)</i>
<i>(Bortrac)</i>	<i>(Maaphos K)</i>	<i>(Nutriwise Mag Nite)</i>
<i>(Brasitrel)</i>	<i>(Maize Boost)</i>	<i>(Nutriwise Maxstim)</i>
<i>(Croplift)</i>	<i>(Mancozin)</i>	<i>(Nutriwise PK Plus)</i>
<i>(Coptrel)</i>	<i>(Mancufla)</i>	<i>(Photrel Pro)</i>
<i>(Ferleaf)</i>	<i>(Mantrac DF)</i>	<i>(Safe N 300)</i>
FMC COPPER	<i>(Mantrac Pro)</i>	<i>(StopIt)</i>
FMC JETT	<i>(Multiple Pro)</i>	<i>(Zintrac 700)</i>
<i>(Foliar Potash)</i>	N-Lock	Universal Bio
<i>(Gramitrel)</i>	<i>(Nutriwise Copper)</i>	Verdicrop 4-Yield Extra
Human Z50	<i>(Nutriwise Fosfyt)</i>	Vytel Liquid Copper

COMBINATION MIXES

HERBICIDES PLUS FUNGICIDES

ALLY MAX SX + BONTIMA	HURRICANE + PROSARO	Optica Trio + Vareon
ALLY MAX SX + BONTIMA + COMET	HYPRONE P + BONTIMA	PROMPT + BONTIMA
ALLY MAX SX + FANDANGO	HYPRONE P + IMTREX + PROSARO	PROMPT + IMTREX + PROSARO
ALLY MAX SX + IMTREX + PROSARO	Inka SX + Helix	<i>(Prompt + Manitoba)</i>
ALLY MAX SX + PROSARO	Inka SX + Kestrel	PROMPT + PROLINE
ALLY MAX SX + SILTRA XPRO	Inka SX + Manitoba	PROMPT + TALIUS

ALLY MAX SX + TALIU	Inka SX + Vareon	Prompt + Vareon
Axial Pro + Siltra Xpro	Isomec Ultra + Helix	RATIO SX + FANDANGO
AXIAL PRO + HELIX	Isomec Ultra + Kestrel	RATIO SX + IMTREX + PROSARO
AXIAL PRO + HURRICANE + COMET 200 + PROLINE	Isomec Ultra + Manitoba	RATIO SX + PROSARO
AXIAL PRO + HURRICANE + COMET 200 + TRACKER	Isomec Ultra + Vareon	RATIO SX + SILTRA XPRO
CHIMERA SX + FANDANGO	MIRCAM PLUS + BONTIMA	SAXON + BONTIMA
CHIMERA SX + SILTRA XPRO	MIRCAM PLUS + IMTREX + PROSARO	SAXON + IMTREX + PROSARO
DUPLOSAN KV + BONTIMA	MIRCAM PLUS + PROSARO	(Saxon + Manitoba)
DUPLOSAN KV + IMTREX + PROSARO	MIRCAM PLUS + TALIU	SAXON + PROLINE
DUPLOSAN KV + PROSARO	Optica Trio + Helix	SAXON + TALIU
DUPLOSAN KV + TALIU	OPTICA TRIO + IMTREX + PROSARO	Saxon + Vareon
Gartrel + Jaunt	Optica Trio + Kestrel	
Gartrel + Librax	Optica Trio + Manitoba	
Gartrel + Variano Xpro	OPTICA TRIO + TALIU	

HERBICIDES PLUS FUNGICIDES AND TRACE ELEMENTS

ALLY MAX SX + BONTIMA + FMC COPPER	DUPLOSAN KV + PROSARO + FMC JETT	OPTICA TRIO + TALIU + FMC JETT
ALLY MAX SX + BONTIMA + FMC JETT	DUPLOSAN KV + TALIU + FMC JETT	OPTICA TRIO + TALIU + FMC MN 400
ALLY MAX SX + PROLINE + FMC JETT	DUPLOSAN KV + TALIU + FMC MN 400	PROMPT + BONTIMA + FMC COPPER
ALLY MAX SX + PROLINE + FMC MANGANESE	HYPRONE P + BONTIMA + FMC COPPER	PROMPT + BONTIMA + FMC JETT
ALLY MAX SX + SILTRA XPRO + FMC JETT	HYPRONE P + BONTIMA + FMC JETT	PROMPT + PROLINE + FMC JETT
ALLY MAX SX + TALIU + FMC JETT	MIRCAM PLUS + BONTIMA + FMC COPPER	PROMPT + PROLINE + FMC MN 400
CYCLOPS + TALIU + FMC JETT	MIRCAM PLUS + BONTIMA + FMC JETT	PROMPT + TALIU + FMC JETT
CYCLOPS + TALIU + FMC MN 400	MIRCAM PLUS + TALIU + FMC JETT	PROMPT + TALIU + FMC MN 400
DUPLOSAN KV + BONTIMA + FMC COPPER	MIRCAM PLUS + TALIU + FMC MN 400	SAXON + PROLINE + FMC JETT
DUPLOSAN KV + BONTIMA + FMC JETT	SAXON + BONTIMA + FMC COPPER	SAXON + PROLINE + FMC MN 400
DUPLOSAN KV + PROLINE + FMC JETT	SAXON + BONTIMA + FMC JETT	SAXON + TALIU + FMC JETT
		SAXON + TALIU + FMC MN 400

HERBICIDES PLUS FUNGICIDES AND PLANT GROWTH REGULATORS

ALLY MAX SX + BONTIMA + COMET + CHLORMEQUAT	CYCLOPS + BONTIMA + PROLINE + CHLORMEQUAT	HYPRONE P + BONTIMA + CHLORMEQUAT
ALLY MAX SX + BONTIMA + CHLORMEQUAT	CYCLOPS + FANDANGO + CHLORMEQUAT	MIRCAM PLUS + BONTIMA + CHLORMEQUAT
ALLY MAX SX + FANDANGO + CHLORMEQUAT	CYCLOPS + TALIU + CHLORMEQUAT	MIRCAM PLUS + TALIU + CHLORMEQUAT
ALLY MAX SX + PROLINE + CHLORMEQUAT	DUPLOSAN KV + BONTIMA + CHLORMEQUAT	OPTICA TRIO + TALIU + CHLORMEQUAT
ALLY MAX SX + PROSARO + CHLORMEQUAT	DUPLOSAN KV + TALIU + CHLORMEQUAT	PROMPT + BONTIMA + CHLORMEQUAT
ALLY MAX SX + SILTRA XPRO + CHLORMEQUAT	Gartrel + Variano Xpro + Chlormequat + Moddus 0.2L/ha	PROMPT + TALIU + CHLORMEQUAT
Axial Pro + Imtrex + Medax Max	Gartrel + Jaunt + Chlormequat	SAXON + BONTIMA + CHLORMEQUAT
CYCLOPS + BONTIMA + CHLORMEQUAT	Gartrel + Jaunt + Moddus	SAXON + TALIU + CHLORMEQUAT

HERBICIDES PLUS FUNGICIDES AND PLANT GROWTH REGULATORS AND TRACE ELEMENTS

ALLY MAX SX + BONTIMA + CHLORMEQUAT + FMC JETT	CYCLOPS + BONTIMA + CHLORMEQUAT + FMC JETT	CYCLOPS + FANDANGO + CHLORMEQUAT + FMC JETT
ALLY MAX SX + PROLINE + CHLORMEQUAT + FMC MANGANESE	CYCLOPS + BONTIMA + CHLORMEQUAT + FMC MN 400	CYCLOPS + FANDANGO + CHLORMEQUAT + FMC MN 400
ALLY MAX SX + PROSARO + CHLORMEQUAT + FMC JETT	CYCLOPS + BONTIMA + PROLINE + CHLORMEQUAT + FMC JETT	SAXON + TALIU + CHLORMEQUAT + FMC MN 400
ALLY MAX SX + SILTRA XPRO + CHLORMEQUAT + FMC JETT	CYCLOPS + BONTIMA + PROLINE + CHLORMEQUAT + FMC MN 400	

HERBICIDES PLUS PLANT GROWTH REGULATORS

ALLY MAX SX + CERONE	DUPLOSAN KV + CHLORMEQUAT	OPTICA TRIO + CHLORMEQUAT
ALLY MAX SX + CHLORMEQUAT	Gartrel + Chlormequat	PROMPT + CHLORMEQUAT
ALLY MAX SX + MEDAX MAX 0.5KG.HA	Gartrel + Moddus	RATIO SX + CERONE
ALLY MAX SX + TERPAL + ACTIVATOR 90	HURRICANE + MODDUS	RATIO SX + CHLORMEQUAT
Axial Pro + Medax Max	Inka SX + Chlormequat	RATIO SX + TERPAL
CHIMERA SX + CERONE	ISOMEK ULTRA + CHLORMEQUAT	SAXON + CHLORMEQUAT
CHIMERA SX + TERPAL + ACTIVATOR 90	MIRCAM PLUS + CHLORMEQUAT	

HERBICIDES PLUS PLANT GROWTH REGULATORS AND TRACE ELEMENTS

ALLY MAX SX + CHLORMEQUAT + FMC COPPER	DUPLOSAN KV + CHLORMEQUAT + FMC JETT	PROMPT + CHLORMEQUAT + FMC JETT
ALLY MAX SX + CHLORMEQUAT + FMC JETT	DUPLOSAN KV + CHLORMEQUAT + FMC MN 400	RATIO SX + CHLORMEQUAT + FMC COPPER
ALLY MAX SX + CHLORMEQUAT + FMC MN 400	HURRICANE + CHLORMEQUAT + FMC JETT	RATIO SX + CHLORMEQUAT + FMC JETT
CHIMERA SX + CHLORMEQUAT + FMC COPPER	HURRICANE + CHLORMEQUAT + FMC MN 400	RATIO SX + CHLORMEQUAT + FMC MN400
CHIMERA SX + CHLORMEQUAT + FMC JETT	MIRCAM PLUS + CHLORMEQUAT + FMC JETT	REFINE MAX SX + CHLORMEQUAT + FMC JETT
CHIMERA SX + CHLORMEQUAT + FMC MN 400	MIRCAM PLUS + CHLORMEQUAT + FMC MN 400	REFINE MAX SX + CHLORMEQUAT + FMC MN 400
CYCLOPS + CHLORMEQUAT + FMC JETT	OPTICA TRIO + CHLORMEQUAT + FMC JETT	SAXON + CHLORMEQUAT + FMC JETT
CYCLOPS + CHLORMEQUAT + FMC MN 400	OPTICA TRIO + CHLORMEQUAT + FMC MN 400	SAXON + CHLORMEQUAT + FMC MN 400

HERBICIDES PLUS TRACE ELEMENTS

ALLY MAX SX + FMC JETT	Inka SX + Verdicrop 4-Yield Extra	Optica Trio + Human Z50
ALLY MAX SX + FMC MN 400	Inka SX + Vytel Liquid Copper	Optica Trio + Verdicrop 4-Yield Extra
AXIAL PRO + FMC COPPER	Isomec Ultra + FMC Copper	Prompt + FMC Copper
AXIAL PRO + HUMAN Z50	Isomec Ultra + Human Z50	Prompt + Human Z50
Axial Pro + Verdicrop 4-Yield Extra	Isomec Ultra + Verdicrop 4-Yield Extra	Saxon + FMC Copper
Axial Pro + Vytel Liquid Copper	Isomec Ultra + Vytel Liquid Copper	Saxon + Human Z50
Inka SX + FMC Copper	Optica Trio + FMC Copper	
Inka SX + Human Z50	Optica Trio + Vytel Liquid Copper	

FUNGICIDES PLUS INSECTICIDES

Ascra Xpro + Comet 200 + Hallmark with Zeon	IMTREX + PROLINE + SILTRA XPRO + HALLMARK WITH ZEON	
BONTIMA + HALLMARK WITH ZEON	PROSARO + HALLMARK WITH ZEON	
FANDANGO + HALLMARK WITH ZEON	SILTRA XPRO + HALLMARK WITH ZEON	

FUNGICIDES PLUS PLANT GROWTH REGULATORS

Ascra Xpro + Comet + Terpal	COMET 200 + FANDANGO + CHLORMEQUAT	Helix + Chlormequat
BONTIMA + COMET 200 + PROLINE + TERPAL	COMET 200 + FANDANGO + TERPAL	Kestrel + Chlormequat
BONTIMA + TERPAL	FANDANGO + TERPAL	Manitoba + Chlormequat
BONTIMA + CHLORMEQUAT	IMTREX + PROLINE + TERPAL + ACTIVATOR 90	MANITOBA + CHLORMEQUAT + MODDUS 0.2L/HA
BONTIMA + PROLINE + CHLORMEQUAT	SILTRA XPRO + TERPAL	SILTRA XPRO + CHLORMEQUAT
Bontima + Siltra Xpro + Terpal	SKYWAY XPRO + CHLORMEQUAT + MODDUS 0.2L/HA	Vareon + Chlormequat
	Fandango + Siltra Xpro + Terpal	

FUNGICIDES PLUS PLANT GROWTH REGULATORS AND TRACE ELEMENTS

BONTIMA + COMET 200 + CHLORMEQUAT + FMC MN 400	BONTIMA + CHLORMEQUAT + FMC MN 400	BONTIMA + PROLINE + CHLORMEQUAT + FMC MN 400
BONTIMA + CHLORMEQUAT + FMC JETT	BONTIMA + PROLINE + CHLORMEQUAT + FMC JETT	

FUNGICIDES PLUS TRACE ELEMENTS

BONTIMA + COMET 200 + FMC MN 400		
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PLANT GROWTH REGULATORS PLUS TRACE ELEMENTS

Chlormequat + FMC Copper	Chlormequat + Verdicrop 4-Yield Extra	
Chlormequat + Human Z50	Chlormequat + Vytel Liquid Copper	

This summary sheet provides information on tank-mixes conducted with this product. Corteva Agriscience™ gives no warranty or accepts no liability in respect to compatibilities that are beyond the label. This additional information is for guidance purposes only and use is at grower's risk.

Important Note: Do not use any tank-mix if the mixture cannot be applied within the recommendations for individual products or if specific tank-mix restrictions apply.

Larger, more complicated mixes; unlisted mixes or replacing alternative products to those listed in this table are not endorsed. However, for further information or to register a tank-mix request please contact your local Corteva representative or call the Technical Hotline on 0800 689 8999

Corteva Agriscience

Physical compatibility data is based on the results of an industry recognised standard test. Be aware that in the field, water hardness, PH, temperature etc. can vary. Biological compatibility data are based on a small number of field trials, Corteva Agriscience™ cannot warrant the efficacy of other tank-mix partners. Where only Physical Compatibility or Spray able with Continuous Agitation is shown, Corteva Agriscience™ has no biological data regarding efficacy or crop safety and only has data on physical compatibility, so growers use these mixes at their own risk.

Changes
14th May - updated PGR comments; 24th March 2021 - addition of Multiple Pro, Protefin and Unix; 27th April 2021 - removal of withdrawn products; 17th May 2021 - addition of Jaunt; 10th March 2022 - removal of withdrawn products. Addition of Spryte Aqua CF. Spraymate and Zarado based on information received from De Sangosse.

**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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* Registered trademark of Corteva Agriscience and its affiliated companies

Whorl contains fluroxypyr + halauxifen-methyl

Technical Hotline: 0800 689 8899 | ukhotline@corteva.com | corteva.co.uk

WHORL® TANK-MIX COMPATIBILITY IN SPRING WHEAT

PLEASE ENSURE YOU READ THE NOTES SECTION
This version supersedes all previous editions

FOR FINISH SX READ ACROSS TO ALLY MAX X, ALIAS SX, COUNTER SX AND JUBILEE SX.

Corteva Agriscience would support the replacement of fluroxypyr for Whorl in the following mixes in all spring wheat varieties

- Whorl + ALS herbicide (Finish SX or Lector) + Fungicide + PGR (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

Corteva Agriscience 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:

- 950g 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
- Optimus 285ml/ha (Optimus read across from Moddus at 0.2 L/ha ie 50g ai/ha trinexapac)

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

Adjuvants

ADIGOR 0.5%	PHASE II	Spryte Aqua CF
BIOPOWER	SPO588	TOIL
BIO SYL	Spraymate	WET-CIT
KANTOR	SPRYTE AQUA	Zarado
MSoS		

Herbicides - FOR ALLY MAX SX READ ACROSS TO ALIAS SX, ANSWER SX, AVRO SX, BIPLAY SX, CHIMERA SX, CLEANCROP MONDIAL, FINISH SX, GROPPER SX, INKA SX, JUBILEE SX, LORATE, PRESITE SX, RATIO SX, REFINE MAX SX, SIMBA SX, TRATON SX. FOR HARMONY M SX READ ACROSS TO CONCERT SX, MOSAIC SX AND PENNANT

<i>(Axial Pro)</i>	EASEL	OPTICA TRIO
BROADWAY STAR + HURRICANE + BIOSYL	HARMONY M SX	Presite SX
BROADWAY STAR + LIBERATOR + BIOSYL	HURRICANE	PROMPT
DUPLOSAN KV	HURRICANE + TOPIK	RATIO SX
	Inka SX + Optica Trio	Saxon

Fungicides

Adexar + Comet 200	Helix	Kestrel + Mobius
Ascra Xpro	Helix + Imtrex	Librax
ASCRA XPRO + COMET 200	Helix + Mobius	MANITOBA + TALIU
Comet 200 + Elatus Era	Imtrex + Kestrel	Mobius
COMET 200 + SKYWAY 285 XPRO + AQUASCOPE	Imtrex	<i>(Protefin)</i>
CYFLAMID + MANITOBA	Jaunt	<i>(Unik)</i>
Elatus Era	Kestrel	

Insecticides

HALLMARK WITH ZEON	PERMASECT 500 EC	SUMI-ALPHA
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Plant Growth Regulators - Do not apply in mix with Whorl if crop under stress. Only use chlormequat products approved for use on spring wheat

CHLORMEQUAT	CHLORMEQUAT + MODDUS 0.4L/HA	MODDUS 0.2L/HA
CHLORMEQUAT + MODDUS 0.2L/HA	MEDAX MAX 0.5KG/HA	

Trace Elements

Bittersaltz	Magflo 300	<i>(Nutriwise HIQ)</i>
<i>(Bortrac)</i>	<i>(Magphos K)</i>	<i>(Nutriwise Mag Nite)</i>
<i>(Brassitrel)</i>	<i>(Maize Boost)</i>	<i>(Nutriwise Maxstim)</i>
<i>(Croplift)</i>	<i>(Mancozin)</i>	<i>(Nutriwise PK Plus)</i>
<i>(Coptrel)</i>	<i>(Mancoflo)</i>	<i>(Photrel Pro)</i>
<i>(Ferleaf)</i>	<i>(Mantrac DF)</i>	<i>(Safe N 300)</i>
FMC Copper	<i>(Mantrac Pro)</i>	<i>(Stoptil)</i>
FMC Jett	<i>(Multiple Pro)</i>	<i>(Zintrac 700)</i>
<i>(Foliar Potash)</i>	N-Lock	Universal Bio
<i>(Gramitrel)</i>	<i>(Nutriwise Copper)</i>	Verdicrop 4-Yield Extra
Human Z50	<i>(Nutriwise Fosfya)</i>	Vytel Liquid Copper

COMBINATION MIXES

HERBICIDES PLUS FUNGICIDES

ALLY MAX SX + IMTREX + PROSARO	HURRICANE + AVIATOR + COMET	Optica Trio + Helix
ALLY MAX SX + MOBIUS	HURRICANE + BOOGIE XPRO + COMET	OPTICA TRIO + IMTREX + PROSARO
DUPLOSAN KV + PROSARO	HURRICANE + COMET	Optica Trio + Kestrel
Gartrel + Jaunt	HURRICANE + COMET + HELIX	Optica Trio + Manitoba
Gartrel + Librax	HURRICANE + COMET + LIBRAX	Optica Trio + Vareon
Gartrel + Varioano Xpro	HURRICANE + COMET + PROLINE	<i>(Prompt + Manitoba)</i>
HARMONY M SX + HELIX + IMTREX	HURRICANE + COMET + SKYWAY XPRO	Prompt + Vareon
HARMONY M SX + HELIX	HURRICANE + COMET + VARIANO XPRO	RATIO SX + IMTREX + PROSARO
HARMONY M SX + HELIX + MOBIUS	HURRICANE + PROSARO	Saxon + Manitoba
HARMONY M SX + IMTREX + PROSARO	Inka SX + Helix	Saxon + Vareon
HARMONY M SX + MOBIUS + PROSARO	Inka SX + Kestrel	
HARMONY M SX + PROSARO	Inka SX + Manitoba	

HERBICIDES PLUS FUNGICIDES AND TRACE ELEMENTS

HARMONY M SX + HELIX + IMTREX + HUMAN Z50	HARMONY M SX + PROSARO + HUMAN Z50	PROMPT + PROLINE + FMC MN 400
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HARMONY M SX + HELIX + MOBIUS + HUMAN Z50		HARMONY M SX + MOBIUS + PROSARO + HUMAN Z50		SAXON + PROLINE + FMC MN 400	
HARMONY M SX + IMITREX + PROSARO + HUMAN Z50					

HERBICIDES PLUS FUNGICIDES AND PLANT GROWTH REGULATORS					
Gartrel + Variano Xpro + 3C 750 Chlormequat + Moddus		Gartrel + Jaunt + Moddus			
Gartrel + Jaunt + 3C 750 chlormequat		HARMONY M SX + MOBIUS + CHLORMEQUAT			

HERBICIDES PLUS FUNGICIDES AND PLANT GROWTH REGULATORS AND TRACE ELEMENTS					
SAXON + TALUIS + CHLORMEQUAT + FMC MN 400					

HERBICIDES PLUS PLANT GROWTH REGULATORS					
ALLY MAX SX + CHLORMEQUAT		Gartrel + Moddus		Inka SX + Chlormequat	
ALLY MAX SX + CHLORMEQUAT + MODDUS 0.2L/HA		HARMONY M SX + CHLORMEQUAT + MODDUS 0.2L/HA		OPTICA TRIO + CHLORMEQUAT	
Gartrel + chlormequat		HURRICANE + MODDUS 0.2L/HA		PROMPT + CHLORMEQUAT	
		HURRICANE + CHLORMEQUAT + MODDUS 0.2L/HA		RATIO SX + CHLORMEQUAT	

HERBICIDES PLUS PLANT GROWTH REGULATORS AND TRACE ELEMENTS					
ALLY MAX SX + CHLORMEQUAT + FMC COPPER		HARMONY M SX + CHLORMEQUAT + FMC COPPER		PROMPT + CHLORMEQUAT + FMC JETT	
ALLY MAX SX + CHLORMEQUAT + FMC JETT		HARMONY M SX + CHLORMEQUAT + FMC JETT		RATIO SX + CHLORMEQUAT + FMC COPPER	
ALLY MAX SX + CHLORMEQUAT + FMC MN 400		HARMONY M SX + CHLORMEQUAT + FMC MN 400		RATIO SX + CHLORMEQUAT + FMC JETT	
DUPLOSAN KV + CHLORMEQUAT + FMC JETT		HURRICANE + CHLORMEQUAT + FMC COPPER		RATIO SX + CHLORMEQUAT + FMC MN400	
		HURRICANE + CHLORMEQUAT + FMC JETT		SAXON + CHLORMEQUAT + FMC JETT	

HERBICIDES PLUS TRACE ELEMENTS					
HARMONY M SX + FMC JETT		Inka SX + Vytel Liquid Copper		Prompt + FMC Copper	
HARMONY M SX + FMC MN 400		Optica Trio + FMC Copper		Prompt + Human Z50	
Inka SX + FMC Copper		Optica Trio + Human Z50		Saxon + FMC Copper	
Inka SX + Human Z50		Optica Trio + Verdicrop 4-Yield Extra		Saxon + Human Z50	
Inka SX + Verdicrop 4-Yield Extra		Optica Trio + Vytel Liquid Copper			

FUNGICIDES PLUS INSECTICIDES					
Ascra Xpro + Comet 200 + Hallmark Zeon CS*		Comet 200 + Elatus Era + Hallmark with Zeon			

FUNGICIDES PLUS PLANT GROWTH REGULATORS					
Helix + Chlormequat		MANITOBA + AQUASCOPE + CHLORMEQUAT		SKYWAY 285 XPRO + AQUASCOPE + CHLORMEQUAT	
Kestrel + Chlormequat		MANITOBA + CHLORMEQUAT + MODDUS 0.2L/HA		SKYWAY 285 XPRO + CHLORMEQUAT + MODDUS 0.2L/HA	
				Vareon + Chlormequat	

FUNGICIDES PLUS TRACE ELEMENTS					
MOBIUS + HUMAN Z50					

PLANT GROWTH REGULATORS PLUS TRACE ELEMENTS					
Chlormequat + FMC Copper		Chlormequat + Vytel liquid Copper			
Chlormequat + Verdicrop 4-Yield Extra		Chlormequat + Human Z50			

This summary sheet provides information on tank-mixes conducted with this product. Corteva Agriscience™ gives no warranty or accepts no liability in respect to compatibilities that are beyond the label. This additional information is for guidance purposes only and use is at grower's risk.

Important Note: Do not use any tank-mix if the mixture cannot be applied within the recommendations for individual products or if specific tank-mix restrictions apply.

Larger, more complicated mixes; unlisted mixes or replacing alternative products to those listed in this table are not endorsed. However, for further information or to register a tank-mix request please contact your local Corteva representative or call the Technical Hotline on 0800 689 8899

Physical compatibility data is based on the results of an industry recognised standard test. Be aware that in the field, water hardness, PH, temperature etc. can vary. Biological compatibility data are based on a small number of field trials, Corteva Agriscience™ cannot warrant the efficacy of other tank-mix partners. Where only Physical Compatibility or Spray able with Continuous Agitation is shown, Corteva Agriscience™ has no biological data regarding efficacy or crop safety and only has data on physical compatibility, so growers use these mixes at their own risk.

Notes:

* Apply in 200l/ha of water

Changes

14th May - updated PGR comments, 19th May - removed Cerone and Terpal PGR tank mixes as products not approved on spring wheat; 24th March 2021 - addition of Multiple Pro, Protefin and Unix; 22nd April 2021 - removal of withdrawn products; 17th May 2021 - addition of Whori; 10th March 2022 - removal of withdrawn products. Addition of Spryte Aqua CF. Spraymate and Zarado based on information received from De Sangosse.

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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Whori contains fluroxypyr + halauxifen-methyl

Technical Hotline: 0800 689 8899 | ukhotline@corteva.com | corteva.co.uk

WHORL® TANK-MIX COMPATIBILITY IN SPRING BARLEY

PLEASE ENSURE YOU READ THE NOTES SECTION
This version supersedes all previous editions

FOR FINISH SX READ ACROSS TO ALLY MAX X, ALIAS SX, COUNTER SX AND JUBILEE SX.

Corteva Agriscience would support the replacement of fluroxypyr for Whorl in the following mixes in all spring barley varieties

- Whorl + ALS herbicide (Finish SX or Lector) + Fungicide + PGR (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

Corteva Agriscience 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:

- 950g 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
- Canopy up to 0.8 L/ha
- Optimus 285ml/ha (Optimus read across from Moddus at 0.2 L/ha ie 50g ai/ha trinexapac)
- 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 forthcoming 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
Normal = Physically Compatible	(BOLD ITALICS IN BRACKETS) = Biologically compatible - maintain constant agitation	RED CAPITAL ON BLUE = CROP INJURY

Adjuvants

ADIGOR 0.5%	PHASE II	Spryte Aqua CF
BIOPOWER	SPO588	TOIL
BIO SYL	Spraymate	WET-CIT
KANTOR	SPRYTE AQUA	Zarado
MSOs		

Herbicides - FOR ALLY MAX SX READ ACROSS TO ALIAS SX, ANSWER SX, AVRO SX, BIPLAY SX, CHIMERA SX, CLEANCROP MONDIAL, FINISH SX, GROPPER SX, INKA SX, JUBILEE SX, LORATE, PRESITE SX, RATIO SX, REFINE MAX SX, SIMBA SX, TRATON SX. FOR HARMONY M SX READ ACROSS TO CONCERT SX, MOSAIC SX AND PENNANT.

ALLY MAX SX	HURRICANE	OPTICA TRIO
<i>(Axial Pro)</i>	HYPRONE P	PICONA
DUPLOSAN KV	Inka SX + Optica Trio	PRESITE SX
EASEL	ISOMEC ULTRA	PROMPT
HARMONY M SX	MIRCAM PLUS	RATIO SX
		SAXON

Fungicides

BONTIMA	Helix + Zulu	Librax
Bontima + Siltra Xpro	Imtrex + Kestrel	MANITOBA
FANDANGO	Imtrex	PROLINE
Fandango + Siltra Xpro	Jaunt	<i>(Protefin)</i>
HELIX	Kestrel	PROSARO
Helix + Imtrex	Kestrel + Mobius	SILTRA XPRO
Helix + Mobius	Kestrel + Swift	TALIUS
Helix + Swift	Kestrel + Zulu	<i>(Unix)</i>
		VAREON

Insecticides

HALLMARK WITH ZEON		
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Plant Growth Regulators - Do not apply in mix with Whorl if crop under stress. Only use chlormequat products approved for use on spring barley

CANOPY 1l/ha	CHLORMEQUAT	MEDAX MAX 0.75KG/HA
CANOPY + CHLORMEQUAT	CHLORMEQUAT + MODDUS 0.2L/HA	MODDUS 0.2L/HA
CERONE 0.5L/HA	MEDAX MAX 0.5KG/HA	TERPAL 1.0L/HA + ACTIVATOR 90

Trace Elements

Bittersaltz	<i>(Magflo 300)</i>	<i>(Nutriwise HIQ)</i>
<i>(Bortrac)</i>	<i>(Magphos K)</i>	<i>(Nutriwise Mag Nite)</i>
<i>(Brassitrel)</i>	<i>(Maize Boost)</i>	<i>(Nutriwise Maxstim)</i>
<i>(Croplift)</i>	<i>(Mancozin)</i>	<i>(Nutriwise PK Plus)</i>
<i>(Croprel)</i>	<i>(Mancuflo)</i>	<i>(Phatrel Pro)</i>
<i>(Ferleaf)</i>	<i>(Mantrac DF)</i>	<i>(Safe N 300)</i>
FMC COPPER	<i>(Mantrac Pro)</i>	<i>(Stopit)</i>
FMC JETT	<i>(Multiple Pro)</i>	<i>(Zintrac 700)</i>
<i>(Foliar Potash)</i>	N-Lock	Universal Bio
<i>(Gramitrel)</i>	<i>(Nutriwise Copper)</i>	Verdicrop 4-Yield Extra
Human Z50	<i>(Nutriwise Fosfyt)</i>	Vytel Liquid Copper

COMBINATION MIXES

HERBICIDES PLUS FUNGICIDES

ALLY MAX SX + FANDANGO	Inka SX + Kestrel	Optica Trio + Vareon
ALLY MAX SX + IMITREX + PROSARO	Inka SX + Helix	PROMPT + BONTIMA
ALLY MAX SX + PROSARO	Inka SX + Manitoba	PROMPT + IMITREX + PROSARO
ALLY MAX SX + SILTRA XPRO	Inka SX + Vareon	<i>(Prompt + Manitoba)</i>
DUPLOSAN KV + BONTIMA	Isomec Ultra + Helix	PROMPT + PROLINE
DUPLOSAN KV + IMITREX + PROSARO	Isomec Ultra + Kestrel	PROMPT + TALIUS
DUPLOSAN KV + PROSARO	Isomec Ultra + Manitoba	Prompt + Vareon
DUPLOSAN KV + TALIUS	Isomec Ultra + Vareon	RATIO SX + FANDANGO
Gartrel + Jaunt	MIRCAM PLUS + BONTIMA	RATIO SX + IMITREX + PROSARO

Gartrel + Librax	MIRCAM PLUS + IMITREX + PROSARO	RATIO SX + PROSARO
Gartrel + Varioano Xpro	MIRCAM PLUS + PROSARO	RATIO SX + SILTRA XPRO
HARMONY M SX + BONTIMA	MIRCAM PLUS + TALIUUS	SAXON + BONTIMA
HARMONY M SX + FANDANGO	Optica Trio + Helix	SAXON + IMITREX + PROSARO
HARMONY M SX + IMITREX + PROSARO	OPTICA TRIO + IMITREX + PROSARO	Saxon + Manitoba
HARMONY M SX + PROSARO	Optica Trio + Kestrel	SAXON + PROLINE
HARMONY M SX + SILTRA XPRO	Optica Trio + Manitoba	SAXON + TALIUUS
HYPRONE P + BONTIMA	OPTICA TRIO + TALIUUS	Saxon + Vareon
HYPRONE P + IMITREX + PROSARO		

HERBICIDES PLUS FUNGICIDES AND TRACE ELEMENTS

ALLY MAX SX + BONTIMA + FMC COPPER	HYPRONE P + BONTIMA + FMC COPPER	PROMPT + BONTIMA + FMC JETT
ALLY MAX SX + BONTIMA + FMC JETT	HYPRONE P + BONTIMA + FMC JETT	PROMPT + PROLINE + FMC JETT
DUPLOSAN KV + BONTIMA + FMC COPPER	MIRCAM PLUS + BONTIMA + FMC COPPER	PROMPT + PROLINE + FMC MN 400
DUPLOSAN KV + BONTIMA + FMC JETT	MIRCAM PLUS + BONTIMA + FMC JETT	PROMPT + TALIUUS + FMC JETT
DUPLOSAN KV + PROSARO + FMC JETT	MIRCAM PLUS + TALIUUS + FMC MN 400	PROMPT + TALIUUS + FMC MN 400
DUPLOSAN KV + TALIUUS + FMC JETT	OPTICA TRIO + TALIUUS + FMC JETT	SAXON + BONTIMA + FMC COPPER
DUPLOSAN KV + TALIUUS + FMC MN 400	OPTICA TRIO + TALIUUS + FMC JETT	SAXON + BONTIMA + FMC JETT
HARMONY M SX + BONTIMA + FMC JETT	OPTICA TRIO + TALIUUS + FMC MN 400	SAXON + PROLINE 275+ FMC JETT
HARMONY M SX + BONTIMA + FMC COPPER	PROMPT + BONTIMA + FMC COPPER	SAXON + TALIUUS + FMC JETT
		SAXON + TALIUUS + FMC MN 400

HERBICIDES PLUS FUNGICIDES AND PLANT GROWTH REGULATORS

ALLY MAX SX + BONTIMA + CHLORMEQUAT	HYPRONE P + BONTIMA + CHLORMEQUAT	PROMPT + BONTIMA + CHLORMEQUAT
DUPLOSAN KV + BONTIMA + CHLORMEQUAT	MIRCAM PLUS + BONTIMA + CHLORMEQUAT	PROMPT + TALIUUS + CHLORMEQUAT
DUPLOSAN KV + TALIUUS + CHLORMEQUAT	MIRCAM PLUS + TALIUUS + CHLORMEQUAT	SAXON + BONTIMA + CHLORMEQUAT
HARMONY M SX + BONTIMA + CHLORMEQUAT	OPTICA TRIO + TALIUUS + CHLORMEQUAT	SAXON + TALIUUS + CHLORMEQUAT

HERBICIDES PLUS PLANT GROWTH REGULATORS

ALLY MAX SX + CERONE	HARMONY M SX + CHLORMEQUAT	PROMPT + CHLORMEQUAT
ALLY MAX SX + CHLORMEQUAT	HARMONY M SX + TERPAL	RATIO SX + CERONE
ALLY MAX SX + MEDAX MAX 0.5KG.HA	Inka SX + Chlormequat	RATIO SX + CHLORMEQUAT
ALLY MAX SX + TERPAL	ISOMEC ULTRA + CHLORMEQUAT	RATIO SX + TERPAL
DUPLOSAN KV + CHLORMEQUAT	MIRCAM PLUS + CHLORMEQUAT	SAXON + CHLORMEQUAT
HARMONY M SX + CERONE	OPTICA TRIO + CHLORMEQUAT	

HERBICIDES PLUS PLANT GROWTH REGULATORS AND TRACE ELEMENTS

ALLY MAX SX + CHLORMEQUAT + FMC COPPER	HARMONY M SX + CHLORMEQUAT + FMC MN 400	RATIO SX + CHLORMEQUAT + FMC COPPER
ALLY MAX SX + CHLORMEQUAT + FMC JETT	MIRCAM PLUS + CHLORMEQUAT + FMC JETT	RATIO SX + CHLORMEQUAT + FMC JETT
ALLY MAX SX + CHLORMEQUAT + FMC MN 400	OPTICA TRIO + CHLORMEQUAT + FMC JETT	RATIO SX + CHLORMEQUAT + FMC MN400
HARMONY M SX + CHLORMEQUAT + FMC COPPER	PROMPT + CHLORMEQUAT + FMC JETT	SAXON + CHLORMEQUAT + FMC JETT
HARMONY M SX + CHLORMEQUAT + FMC JETT		

HERBICIDES PLUS TRACE ELEMENTS

ALLY MAX SX + FMC JETT	Inka SX + Vytel Liquid Copper	Optica Trio + Human Z50
ALLY MAX SX + FMC MN 400	Isomec Ultra + FMC Copper	Optica Trio + Verdicrop 4-Yield Extra
HARMONY M SX + FMC JETT	Isomec Ultra + Human Z50	Prompt + FMC Copper
HARMONY M SX + FMC MN 400	Isomec Ultra + Verdicrop 4-Yield Extra	Prompt + Human Z50
Inka SX + FMC Copper	Isomec Ultra + Vytel Liquid Copper	Saxon + FMC Copper
Inka SX + Human Z50	Optica Trio + FMC Copper	Saxon + Human Z50
Inka SX + Verdicrop 4-Yield Extra	Optica Trio + Vytel Liquid Copper	

FUNGICIDES PLUS INSECTICIDES

SILTRA XPRO + HALLMARK WITH ZEON		
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FUNGICIDES PLUS PLANT GROWTH REGULATORS

Helix + Chlormequat	Manitoba + Chlormequat	Vareon + Chlormequat
Kestrel + Chlormequat	MANITOBA + CHLORMEQUAT + MODDUS 0.2L/HA	

PLANT GROWTH REGULATORS PLUS TRACE ELEMENTS

Chlormequat + FMC Copper	Chlormequat + Verdicrop 4-Yield Extra	
Chlormequat + Human Z50	Chlormequat + Vytel Liquid Copper	

This summary sheet provides information on tank-mixes conducted with this product. Corteva Agriscience™ gives no warranty or accepts no liability in respect to compatibilities that are beyond the label. This additional information is for guidance purposes only and use is at grower's risk.

Important Note: Do not use any tank-mix if the mixture cannot be applied within the recommendations for individual products or if specific tank-mix restrictions apply.

Larger, more complicated mixes; unlisted mixes or replacing alternative products to those listed in this table are not endorsed. However, for further information or to register a tank-mix request please contact your local Corteva representative or call the Technical Hotline on 0800 689 8899

Physical compatibility data is based on the results of an industry recognised standard test. Be aware that in the field, water hardness, PH, temperature etc. can vary. Biological compatibility data are based on a small number of field trials, Corteva Agriscience™ cannot warrant the efficacy of other tank-mix partners. Where only Physical Compatibility or Spray able with Continuous Agitation is shown, Corteva Agriscience™ has no biological data regarding efficacy or crop safety and only has data on physical compatibility, so growers use these mixes at their own risk.

Changes
14th May - updated PGR comments; 24th March 2021 - addition of Multiple Pro, Protefin and Unix; 22nd April 2021 - removal of withdrawn products; 17th May 2021 - addition of Jaunt; 10th March 2022 - removal of withdrawn products. Addition of Spryte Aqua CF. Spraymate and Zarado based on information received from De Sangosse.

**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 contains fluroxypyr + halauxifen-methyl

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