



ADAMA

# Supported Tank Mixes Western Canada 2023

## HERBICIDES

### 2,4-D ESTER 700

BISON® 400 L  
BROMOTRIL®  
BUMPER® 432 EC  
Glyphosate  
INVOLVE® 50 WDG  
PYRINEX® 480 EC  
Traxos®

### ARMORY® 240

Agral® 90  
LI 700®  
Liberate®  
Other non-ionic surfactants  
Carfentrazone

### ARROW® 240 EC/ ARROW ALL IN®

BADGE®  
Curtail® M  
DAVAI® 80 SL  
Glufosinate  
Glyphosate  
Lontrel™ XC  
MCPA ESTER 600  
Muster®  
PHANTOM® 240 SL  
Trifluralin  
QUASAR®

### BADGE®

Ally®  
ARROW® 240 EC  
ARROW ALL IN®  
Atrazine  
BISON® 400 L  
Everest® 3.0  
LADDER ALL IN®

### FORMULATION

EC  
SC  
EC  
EC  
SL  
WDG  
EC  
EC

EC  
SL  
SL  
SL  
SL  
EC

EC  
EC  
EC  
SL  
SN, SL  
SL  
SL  
EC  
DF  
SL  
SG  
SL

EC  
DF  
SL  
SG  
SL

EC  
SG  
EC  
EC  
SC  
SC  
SC  
EC

### BADGE® (Continued)

MCPA ESTER 600  
Poast®  
Refine® SG  
Traxos®

### BISON® 400 L

2,4-D ESTER 700  
BADGE®  
BROMOTRIL®  
BUMPER® 432 EC  
Curtail® M  
Decis®  
Etaprop® XT  
ESTEEM®  
Infinity®  
Infinity® FX  
Lontrel™ XC  
MCPA ESTER 600  
Pixxaro™

Prominex  
RUSH® 24  
SILENCER® 120 EC  
THRASHER®  
Trophy  
ZIVATA™

### BRAZEN™ II

BADGE®  
Barricade® II  
BROMOTRIL®  
BUMPER® 432 EC  
Cirpreme™ XC  
Curtail® M  
ESTEEM®  
Exhilarate®  
FORCEFIGHTER® M  
Infinity® FX  
MCPA Amine or ESTER  
OUTSHINE®  
Pixxaro®

### EC BRAZEN™ II (Continued)

Pulsar®  
Refine SG®  
SC TOPLINE®  
EC TOPNOTCH™  
Travallas®  
Trophy®

### SC

EC  
EC  
EC  
EC  
EC  
EC  
EC & SL  
EC  
SL  
EC  
EC  
EC  
EC

### BROMOTRIL®

2,4-D ESTER 700  
Accent®  
Atrazine  
BISON® 400 L  
BUMPER® 432 EC  
Dicamba  
Glyphosate  
LADDER ALL IN®  
MCPA ESTER 600 or K  
Traxos®  
Ultim®

### DAVAI® 80 SL

ARROW® 240 EC  
ARROW ALL IN®  
Basagran® Forte  
Broadloom®  
LEOPARD®  
PHANTOM® 240 SL

### EC

EC  
EC & SG  
EC  
WG  
EC  
EC & SL  
EC  
EC  
SL, EC  
SC  
EC

### EMPHASIS™

Glyphosate

### ESTEEM®

Assert® 300 SC  
BISON® 400 L  
BRAZEN™ II  
BroadBand®  
LADDER ALL IN®  
Traxos®  
Varro®

EC  
EC  
SG  
SC & EC  
SC  
EC  
EC

### EC

EC  
DF  
SL  
SC  
EC  
SL, SG  
SL  
EC  
EC, SL  
EC  
WG

### SL

EC  
EC  
SL  
SL  
EC  
SL

### EC

SL

### EC & SL

SC  
SC  
EC  
SL  
EC  
EC  
SC

**FORCEFIGHTER® M**

BISON® 400 L  
BRAZEN™ II  
Everest® 3.0  
LADDER ALL IN®  
Refine® SG  
Simplicity® GoDRI  
Traxos®

**INVOLVE® 50 WDG**

2,4-D ESTER 700  
AIM® EC  
Assert® 300 SC  
Authority® 480  
Dicamba  
Everest® 3.0  
Glyphosate  
Puma® Advance

**LADDER ALL IN®**

2,4-D amine  
Ally®  
BADGE®  
Barricade® II  
BROMOTRIL®  
BUMPER® 432 EC  
Curtail® M  
Decis®  
Dicamba  
Dichlorprop-DX  
Estaprop® XT  
ESTEEM®  
FORCEFIGHTER® M  
Infinity®  
Lontrel™ XC  
MCPA (amine, ester, Na salt)  
Mecoprop-P  
OUTSHINE®  
Pixxaro®  
PRIORITY®  
Refine® SG  
Retain® SG  
RUSH® 24  
SILENCER® 120 EC  
Target®  
THRASHER®  
Travallas®  
Trophy®  
ZIVATA™

**LEOPARD®**

Ally®  
Basagran®  
DAVAI® 80 SL  
Glufosinate  
Glyphosate  
PHANTOM® 240 SL  
PYTHON™  
QUASAR®

**EC MCPA ESTER 600**

SC BADGE®  
EC Barricade® II  
SC BISON® 400 L  
EC BRAZEN™ II  
SG BROMOTRIL®  
WG LADDER ALL IN®  
EC Travallas  
BUMPER® 432 EC  
PYRINEX® 480 EC

**WDG**

EC  
EC **OUTSHINE®**  
SC Assert® 300 SC  
SC BRAZEN™ II  
SL, SG Everest® 3.0  
SC LADDER ALL IN®  
SL Simplicity GoDRI®  
EC Traxos®  
Varro®

**EC**

SL **PHANTOM® 240 SL**  
SG ARROW® 240 EC  
EC ARROW ALL IN®  
EC, SG Basagran® Forte  
EC Broadloom®  
EC DAVAI® 80 SL  
EC Glyphosate  
EC LEOPARD®  
SL, SG Linuron  
EC SQUADRON® II

**EC & SL**

**PRIORITY®**  
EC Glyphosate (DMA, IPA, or K-salt products)

**SL & EC, SG**

**PYTHON™**  
EC ARROW® 240 EC  
SC ARROW ALL IN®  
EC Glyphosate  
SC LEOPARD®

**SG QUASAR®**

EC ARROW® 240 EC  
EC ARROW ALL IN®  
EC Glyphosate  
EC LEOPARD®  
EC PYTHON™ B

**EC RUSH® 24**

SC Assert® 300 SC  
SC BISON® 400 L  
SG Everest® 3.0  
SL LADDER ALL IN®  
SL Puma® Advance  
SN, SL Simplicity GoDRI®  
SL Traxos®  
SL Varro®

**SL SQUADRON® II**

2,4-D Amine  
Banvel® II

**EC SQUADRON® (Continued)**

EC Dicamba  
EC, SG Dual II Magnum® EC  
SC Eptam® Liquid  
EC Frontier®  
EC Glyphosate  
EC Linuron  
EC MCPA amine, Na salt

**EC PHANTOM® 240 SL**

EC Target® Liquid  
**SC** Treflan® EC  
SC Trifluralin  
EC Venture® L

**WG THRASHER®**

BISON® 400 L  
Everest® 3.0  
LADDER ALL IN®

**SL TOPLINE®**

EC Assert® 300 SC  
EC BRAZEN™ II  
SL Everest® 3.0  
SL LADDER ALL IN®  
SL Simplicity® GoDRI

**FUNGICIDES**

**FORMULATION**

**SC BUMPER® 432 EC**

2,4-D ESTER 700  
BADGE®  
BRAZEN™ II  
BROMOTRIL®  
LADDER ALL IN®  
MCPA Amine or ESTER  
SILENCER® 120 EC  
ZIVATA™

**SL CUSTODIA®**

EC Manipulator™  
SL

**SL ORIUS® 430 SC**

EC None on label; consult the labels of the tank-mix partners or your local ADAMA Area Business Manager.

**SC SORATEL™**

SC Coragen®  
SC Decis®  
EC SILENCER® 120 EC  
EC ZIVATA™

**SC SORADUO™**

EC, SC None on label; consult the labels of the tank-mix partners or your local ADAMA Area Business Manager.

**WDG**

SL  
SL

**TOPNOTCH™**

ARROW® 240 EC  
 ARROW ALL IN®  
 BRAZEN™ II  
 Broadband®  
 Coragen®  
 Decis®  
 Glufosinate  
 LADDER ALL IN®  
 LEOPARD®  
 Poast® Ultra  
 Quadris®  
 Sierra® 3.0  
 SILENCER® 120 EC  
 Traxion™  
 Traxos®  
 Volium Express®  
 ZIVATA™

**SC**

EC  
 EC  
 EC  
 SC  
 EC  
 SN, SL  
 EC  
 EC  
 EC  
 SC  
 SC  
 EC  
 SL  
 EC  
 SC  
 EC

**ZIVATA™**

Allegro®  
 Assert® 300 SC  
 BISON® 400 L  
 BRAZEN™ II  
 BUMPER® 432 EC  
 Everest® 3.0  
 LADDER ALL IN®  
 SQUADRON® II  
 SORATEL™  
 TOPNOTCH™

**EC**

SC  
 SC  
 SC  
 EC  
 EC  
 EC  
 WDG  
 EC  
 EC  
 SC

**INSECTICIDES**

**FORMULATION**

**CORMORAN®**

Acramite® 50 WS  
 Luna Sensation™  
 Polyram® DF WSP  
 Pristine® WG  
 Syllit® 400 FL

**EC**

WS  
 SC  
 WSP  
 WG  
 FL

**SILENCER® 120 EC**

Allegro®  
 Assert® 300 SC  
 BISON® 400 L  
 BRAZEN™ II  
 BUMPER® 432 EC  
 Everest® 3.0  
 LADDER ALL IN®  
 SORATEL™  
 SQUADRON® II  
 TOPNOTCH™

**EC**

SC  
 SC  
 SC  
 EC  
 EC  
 SC  
 EC  
 EC  
 WDG  
 SC

**SOMBRERO® 600 FS**

Allegiance®  
 Apron Maxx® RTA  
 EverGol® Energy  
 Insure® Cereals FX4, Pulse  
 Rancona® Trio  
 Raxil® MD  
 Raxil® Pro  
 Trilex® EverGol®  
 Vibrance® Maxx RFC  
 Vibrance® Quattro

**SC**

SC  
 SC  
 SC  
 SC  
 SC  
 SC  
 SC  
 SC  
 SC  
 SC

**Always read and follow label directions.**

ARMORY®, ARROW®, ARROW ALL IN®, BADGE®, BISON®, BROMOTRIL®, BUMPER®, CORMORAN®, CUSTODIA®, DAVAI®, ESTEEM®, FORCEFIGHTER® M, INVOLVE®, LADDER ALL IN®, LEOPARD®, ORIUS®, OUTSHINE®, PHANTOM®, PRIORITY®, PYTHON™, PYRINEX®, QUASAR®, RUSH® 24, SILENCER®, SOMBRERO®, SQUADRON®, THRASHER® and TOPLINE® are registered trademarks, and, BRAZEN™, EMPHASIS™, PYTHON™, SORATEL™, SORADUO™, TOPNOTCH™ and ZIVATA™ are trademarks of ADAMA Agricultural Solutions Canada Ltd.

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# 2023 Unlabelled Tank Mixes of Commercial Pest Control Products for Crop Production or Vegetation Management

## WHAT IS THE PMRA TANK MIX POLICY?

The Pest Management Regulatory Agency (PMRA) has an established position (October 27, 2009) regarding the use of unlabeled tank mixes of commercial class pest control products used for crop production, disease or vegetation management.

**Application of UNLABELED tank mixes is permitted if the registered\* commercial pest control products comply with their registered use pattern (i.e. application rate, application timing to crops, weed stages, rotational guidelines, number of applications per season, pre-harvest intervals, pest claims, etc.).** As such, users are permitted to apply unlabeled tank mixes of registered pest control products, subject to the following conditions:

1. Each tank mix partner is registered for use in Canada on the crop of interest, including genetically modified crops.
2. The tank mix only includes an adjuvant when specifically required by one of the tank mix partner labels. If an adjuvant is not required on the label of any tank mix partner, then no adjuvant may be added to the tank mix.
3. The application timings of all tank mix partners are compatible with regards to crop and pest staging.
4. Each tank mix partner is applied in accordance with its registered product label (e.g., Directions for Use, Precautions, Buffer Zones, etc.). In cases where information on the tank mix partner labels differs between them, the most restrictive directions must be followed.
5. The tank mix is not specifically excluded or contradicted on either tank mix partner label.
6. The use of the tank mix provides additional value to the user (e.g., increased scope of pests controlled, contributes to resistance management or integrated pest management, cost and/or time savings).

## WHAT DOES ADAMA SUPPORT UNDER THE TANK MIX POLICY?

ADAMA Agricultural Solutions Canada Ltd. (ADAMA) will support the unregistered tank mixes which are listed as well as all tank mixes that are presently included on product labels.

## WHAT IF A TANK MIX DOES NOT APPEAR ON THE FOLLOWING LIST? WILL THE TANK MIX STILL BE SUPPORTED BY ADAMA?

If a tank mix is not on this document or does not meet the unlabeled tank mixes criteria then anyone who applies or recommends an unlabeled mix does so at their own risk, assumes liability and agrees to hold ADAMA harmless in connection with un-labelled tank mixes or those not pre-approved by ADAMA. Should growers, crop advisors, agronomists, retailers or provincial extension staff make tank mix recommendations that are not registered nor supported by ADAMA, they are assuming the liability.

## GENERAL PRECAUTIONARY STATEMENT:

Products not formally registered as tank mixes may not be chemically or biologically compatible. Undesirable effects may include, formulation incompatibilities in the spray tank, deactivation of one or more of the actives, delay in maturity, crop rotation issues, yield reduction etc. In some cases, tank mixing pest control products can result in reduced biological activity (antagonism = reduced efficacy) or increased biological activity (additive effect = increased host injury). ADAMA disclaims liability for any antagonistic or additive effects of the unlabeled tank mixes.

**NOTE: Follow all precautions and restrictions on the label of each product.**

**\*Registered under the Pest Control Products Act**