

Paradigm™

TECHNICAL BULLETIN

HERBICIDE

ARYLEX™ ACTIVE

Paradigm™:

Shifts annual broadleaf weed control to redefine performance in wheat and barley through a powerful Group 4 active called Arylex™.

- Combines high performance, extra convenience, worry-free application timing and Multi-Mode of Action resistance management
- Complements Simplicity™ for total grass + broadleaf weeds
- Controls weeds plus improves time and risk management

Arylex Active:

- The first active from a new class of synthetic auxins
- Extremely low-dose rates and efficacy under a wide range of climatic conditions
- A unique and game-changing Group 4 herbicide

What does Paradigm do?

Provides worry-free control of broadleaf weeds (1 – 8 leaf) with Paradigm + Simplicity or MCPA.

Canada fleabane	Flixweed	Shepherd's-purse
Chickweed <i>(Incl. ALS resistant)</i>	Hemp-nettle <i>(Incl. ALS resistant)</i>	Smartweed
Cleavers (9 whorl) <i>(Incl. ALS resistant)</i>	Henbit	Stinkweed
CL Volunteer canola*	Lamb's-quarters	Stork's-bill
Common ragweed	Narrow leaved hawks beard	Volunteer canola
Corn spurry	Redroot pigweed	Volunteer flax
Cow cockle	Round-leaved mallow	Wild buckwheat
Dandelion		Wild mustard <i>(Incl. ALS resistant)</i>

Excellent Control = 91-100%

Sow thistle

Excellent Control Expected (Research ongoing)

Canada thistle

Kochia

Suppression

*Clearfield volunteer canola requires additional MCPA.

Crops: All spring wheat, durum wheat, winter wheat, barley

Crop stage: 2-leaf to flag leaf/dependent on tank-mix partner

Crop safety: Very safe

Rainfastness: 1-hour

Tank-mixability: Simplicity, MCPA, Axial®+MCPA, Everest®+MCPA

Crop Rotation: All major crops except lentils. Testing is ongoing

How does Paradigm work?

By combining the low-dose, concentrated Group 4 power of Arylex with a proven Group 2 herbicide active, Paradigm delivers high performance with Multi-Mode of Action resistance management built-in.

The Group 4 mode of action has provided effective weed control for over 60 years in North America. According to www.weedscience.org there have been 10 incidents of Group 4 resistant broadleaf weeds in North America, compared with over 150 incidents with Group 2 resistant broadleaf weeds. After only 8 years of use, weeds resistant to Group 27 herbicides in the USA were confirmed, with a total of 6 incidents identified to date. It is clear that the Group 4 mode of action has stood the test of time and the new chemical family of Arylpicolinates (Arylex) continues that tradition.

ALL YOU NEED TO KNOW

WHEN does Paradigm do it?

With flexible crop and weed staging, Paradigm works on your schedule. Plan your spraying operation field by field, without the need to alter plans to catch a restrictive weed or crop stage. Paradigm also performs under a wide range of climatic conditions. Hot, cold, wet or dry, Paradigm keeps you on schedule and works under conditions where other products may fail.

WHAT does Paradigm mix with?

For total grass and annual broadleaf control, the best tank-mix is Paradigm +Simplicity. This combination controls most of your annual broadleaf weeds. When tank-mixing with Axial or Everest, a 280 g/ha rate of MCPA is recommended to boost control of certain weeds, like hemp-nettle.

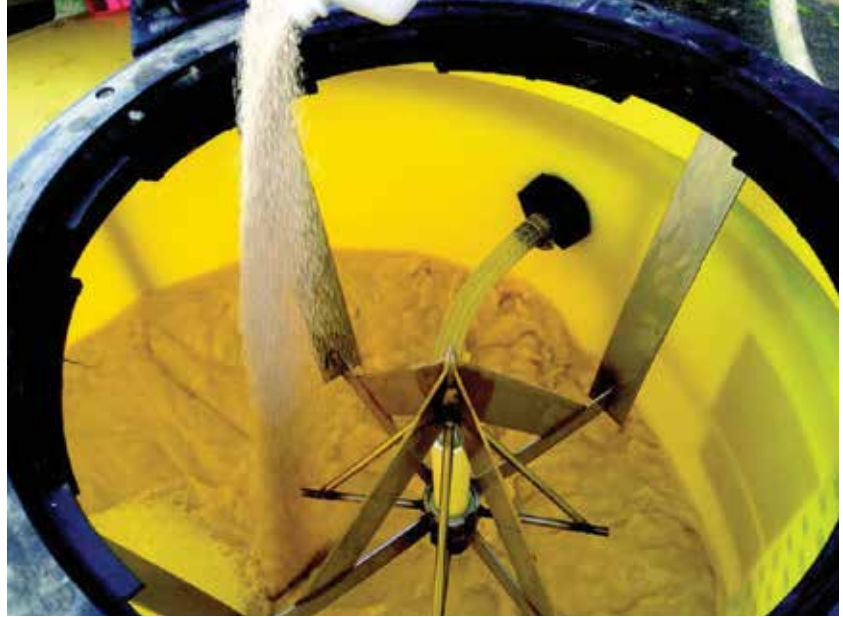
WHY should I care?

Weed control performance and crop safety are now table stakes. Paradigm delivers ultimate efficacy and convenience plus time and risk management, all driven by today's newest and most convenient Group 4 Arylex Active.

For all your wheat acres, Paradigm + Simplicity makes your grass and broadleaf weed control decision easy.

Stay on schedule spraying without compromising weed control.

Paradigm provides worry-free, durable performance on large or small weeds, in large or small crops, with handling convenience to make spraying easier in both wheat and Barley.



Paradigm dispersion in chem handler.

Paradigm performance

Chickweed



Day of application 11 days after 25 days after

Lady's thumb/Smartweed



Day of application 11 days after 25 days after

Hemp-nettle



Day of application 10 days after 28 days after

Wild buckwheat



Day of application 12 days after 30 days after

Round-leaved mallow



Day of application 11 days after 25 days after

Cleavers



Day of application 8 days after 31 days after

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06/14-38708

