



Mateno[®]
Complete

MATENO[®] COMPLETE

GETTING THE BEST POSSIBLE RESULTS IN EARLY POST EMERGENCE APPLICATIONS

MATENO COMPLETE

Mateno Complete Herbicide is a unique and complementary combination of three powerful active ingredients that provides reliable and long-residual control of specific weeds. When used at the Early post-emergence (EPE) application timing Mateno Complete has activity on a broad spectrum of grass and broadleaf weeds in wheat (not durum wheat) and barley.

Active Ingredients	Aclonifen, pyroxasulfone and diflufenican
Crops	Wheat (not durum wheat) and barley
Weed Targets (wheat) - EPE application timing	Grass: Annual ryegrass, barley grass, silver grass and toad rush Broadleaf: Wild radish, capeweed, Indian hedge mustard, volunteer canola, deadnettle, denseflower fumitory, doublegee/spiny emex, prickly lettuce, mouse-ear chickweed, stonecrop, lesser loosestrife and wireweed (suppression only)
Weed Targets (barley) - EPE application timing	Grass: Annual ryegrass, silver grass, toad rush Broadleaf: Indian hedge mustard, volunteer canola*, prickly lettuce, mouse-ear chickweed, stonecrop, wireweed* and lesser loosestrife*
Application Rate	0.75 L/ha - 1.0 L/ha (wheat) and 0.75 L/ha (barley)
Seeding System	Suitable for use with knifepoint and press wheel combinations in wheat and barley or suitable disc seeding systems in wheat only
Adjuvant	Do not add an adjuvant to Mateno Complete when used alone EPE. If mixing, refer to the adjuvant requirements and other directions for use of the tank mix partner. Note it is not recommended to mix Mateno Complete with other crop protection products when used EPE in barley.
Formulation	Suspension concentrate (SC)
Maximum Number of Applications	1 per crop, growing season or calendar year

*Suppression only

CHECKLIST FOR EARLY POST EMERGENT APPLICATION

- Apply Mateno Complete EPE in wheat (not durum wheat) and barley**
Early post-emergence application allows for both broadleaf weed and grass weed control in the crop furrow, on the furrow shoulder and in the inter-row.
TO ENSURE GOOD CROP SAFETY, REFER TO THE LABEL DIRECTIONS UNDER "GENERAL CROP SAFETY".
- Crop safety considerations with EPE application in wheat**
There may be increased risk of crop damage from application in disc sown crops when rainfall after application is sufficiently heavy to cause a concentration of herbicide in the crop sowing slot. SEE THE "GENERAL CROP SAFETY" SECTION OF THE PRODUCT LABEL FOR A FULL LIST OF DIRECTIONS.
- Crop safety considerations with EPE application in barley**
Extra consideration is needed when using Mateno Complete in barley. Barley crops will usually be unaffected/minimally affected by Mateno Complete. In certain situations, there may be reductions in crop growth. Unfavourable crop effects tend to be greatest when high intensity rainfall follows soon after application, causing herbicide to move into the crop row, or soaking rainfall during the early growing season causes movement of herbicide into the crop root/seed zone.

Measures that may reduce movement of herbicide into the crop seed zone:
 - Do not use Mateno Complete where the seeding operation creates an open or relatively open seeding slot. Take care to ensure the closing system adequately closes the seeding slot.
The following measures may help to reduce the extent of crop damage to barley following EPE application of Mateno Complete:
 - Avoid using Mateno Complete in soils prone to waterlogging.
 - Do not use in irrigated barley.
 - Avoid applying in barley where a product containing pyroxasulfone (e.g. Mateno Complete or Sakura) has been applied the previous year as crop damage may be more severe in some circumstances.
 - Do not apply to crops under stress such as pre-emergent herbicide effects, root disease or pests, environmental stress (e.g. waterlogging), poor nutrition, soil compaction, presence of hard pan, poor seed quality, inhibited root growth etc.
 - Avoid tank mixing Mateno Complete with other products known to cause crop damage.
 - Apply only after successful crop establishment.

ALWAYS CONSULT PRODUCT LABEL AND YOUR MATENO COMPLETE AGENT in relation to appropriate use of Mateno Complete.
- Use an effective pre-emergent grass weed herbicide to help control grass weeds prior to applying Mateno Complete EPE**
An effective pre-emergent herbicide from another mode of action group, such as trifluralin should be used. **DO NOT USE a product containing pyroxasulfone (eg. Sakura®)** in the same season or crop as Mateno Complete.
- It is not recommended to mix Mateno Complete with other crop protection products when used EPE in barley.**
- Mateno Complete is a suspension concentrate (SC) formulation and therefore may settle out of suspension over time and should be re-homogenised prior to use**
For 100 L packs, we recommend using the Pro-Blend® Closed Mixing System (micromatic.com/pro-blend). Where possible use the entire pack in a single sprayer load.
- When mixing for use EPE in wheat, ensure good tank agitation, and add Mateno Complete to the spray tank in the correct mixing order, ensuring it is fully dispersed before adding other products**
It is critical to maintain effective agitation in the spray tank before, and at all times during mixing and spraying. As Mateno Complete is a suspension concentrate (SC) formulation, it should be added to the spray tank only after adding 70% of the total water requirement, any conditioners, and any dry products (e.g. WG formulations). Shake or mix drums thoroughly prior to adding and rinse empty drums into the tank. Allow at least 10 minutes of constant agitation after adding other products and before adding Mateno Complete and before adding the next tank-mix partner in the sequence. Check all products for compatibility prior to mixing. SEE PRODUCT LABEL AND MATENOCOMPLETE.COM.AU FOR FURTHER DETAILS.
- Do not add an adjuvant with Mateno Complete when used alone**
If tank-mixing, refer to the recommended adjuvant and other directions for use for the mix partner product.
- Apply Mateno Complete at the rates recommended on the label**
In wheat Mateno Complete can be applied at use rates from 750 mL/ha to 1.0 L/ha and in barley at a use rate of 750 mL/ha. Applying Mateno Complete at use rates below the minimum label rates will compromise weed control and increase the risk of developing herbicide resistant weeds.
- Use a water rate of 70 - 100 L/ha and apply with equipment delivering a MEDIUM spray quality**
Water volumes above 80 L/ha may improve weed control in some situations, such as high stubble loads, and will improve physical compatibility in tank mixes.
- Use 50 mesh (or coarser) in-line filters**
This may result in reduced risk of filter blockage.
- Apply Mateno Complete to small actively growing weeds and between crop growth stage Z11 (1 true leaf) to Z23 (main stem plus 3 tillers) in wheat and from crop growth stage Z13 (3 leaf) to Z23 in barley**
Mateno Complete is best applied to small, actively growing weeds (up to 2, 3 or 4 leaf, depending on the weed species) where rainfall soon after application (7-10 days) is expected to ensure good herbicide uptake. Weeds germinating after application may be controlled if there is sufficient soil moisture for uptake for the herbicide.
- Weed control for certain weeds can be further improved with addition of a tank-mix partner**
For example, MCPA LVE for wild radish or capeweed, metsulfuron-methyl for doublegee/spiny emex in wheat only. It is not recommended to tank mix Mateno Complete when applying EPE in barley. REFER TO THE PRODUCT LABEL for full details.
- Thoroughly clean spraying equipment immediately after use**
Cleaning should occur immediately following the last application of Mateno Complete, or if the sprayer will not be used for several hours. When tank mixing Mateno Complete with another product, use the more rigorous recommended clean-up of the products in the tank mix.
- Use Mateno Complete in rotation with other chemical and non-chemical control options**
Mateno Complete is a co-formulation of 3 active ingredients from 3 modes of action. Using multiple modes of action, where the herbicide in each different mode of action is reasonably effective on the target weed, has been proven to delay the development of herbicide resistance of that weed and forms an important part of the WeedSmart "Big 6" resistance management strategy.

For further advice visit matenocomplete.com.au or contact your agronomist.

Always read the label for full instructions.

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