

MATECOR NEW

Product information

Summary

FORMULATION & ACTIVE INGREDIENT: A water dispersible granule formulation containing 70% w/w metribuzin.

MAPP NUMBER:

PACK SIZE: 1Kg, 5 Kg.

TARGETS: A residual herbicide for control of weeds in potatoes.

Registration holder:

PROPLAN Plant Protection Company, S.L.
C/Valle del Roncal, 12 1ª Oficina núm. 7
28232 Las Rozas, Madrid
Tel. 91 626 60 99
Fax 902 108 165

READ THE LABEL CAREFULLY BEFORE USE.

FOR PROFESSIONAL USE ONLY AS AN AGRICULTURAL HERBICIDE

® Registered Trade Name of PROPLAN Plant Protection Company, SL.



PROPLAN

Plant Protection Company, S.L.

C/ Valle del Roncal, 12. 1ª-
28232 Las Rozas , Madrid - Spain.
Phone: 34 - 91 - 626 60 97.
Fax: 34 - 91 -626 60 99.

HAZARDS IDENTIFICATION



Warning. Very toxic to aquatic life with long lasting effects.

Operator Protection

UK only: Engineering control of operator exposure must be used where reasonably practicable in addition to the following personal protective equipment.

WEAR SUITABLE PROTECTIVE GLOVES AND SUITABLE RESPIRATORY PROTECTIVE EQUIPMENT* when handling the product.

*Disposable filtering facepiece respirator to at least EN149 FFP3 or equivalent.

WEAR SUITABLE PROTECTIVE GLOVES when handling contaminated surfaces.

UK only: However, engineering controls may replace personal protective equipment if a COSHH assessment shows they provide an equal or higher standard of protection.

WASH CONCENTRATE from skin or eyes immediately.

DO NOT BREATHE SPRAY.

WHEN USING DO NOT EAT, DRINK OR SMOKE.

Wash all protective clothing after use.

Environmental Protection

Do not contaminate water with the product or its container. Do not clean application equipment near surface water. Avoid contamination via drains from farmyards and roads.

To protect aquatic organisms respect an unsprayed buffer zone to surface water bodies in line with LERAP requirements.

DO NOT ALLOW DIRECT SPRAY from horizontal boom sprayers to fall within 5 metres of the top of the bank of a static or flowing water body, unless a Local Environment Risk Assessment for Pesticides (LERAP) permits a narrower buffer zone (UK only), or within 1 metre of the top of a ditch which is dry at the time of application. Aim spray away from water.

UK only: This product qualifies for inclusion within the Local Environmental Risk Assessment for Pesticides (LERAP) scheme. Before each spraying operation from a horizontal boom sprayer, either a LERAP must be carried out in accordance with HSE's published guidance or the statutory buffer zone must be maintained. The results of the LERAP must be recorded and kept available for three years.

Extreme care must be taken to avoid spray drift onto non-crop plants outside of the target area.

KEEP IN ORIGINAL CONTAINER, TIGHTLY CLOSED, IN A SAFE PLACE.

KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDINGSTUFFS EMPTY CONTAINER COMPLETELY and dispose of safely.

Other hazards

The mixture does not contain any vPvB substance (vPvB = very persistent, very bioaccumulative) or is not included under XIII of the regulation (EC) 1907/2006. The mixture does not contain any PBT substance (PBT = persistent, bioaccumulative, toxic) or is not included under XIII of the regulation (EC) 1907/2006.

CHARACTERISTICS

MATECOR NEW is a residual herbicide for control of weeds in potatoes.
A water dispersible granule formulation containing 70% w/w metribuzin.

USES, RATES AND PRE-HARVEST INTERVAL

CROPS	Maximum individual dose	Maximum total dose	Latest time of application
Potato-earlies	0.75 kg/ha	0.75 kg/ha per crop	Pre-emergence
Potato-maincrop	0.75 kg/ha pre-emergence and/or 0.5 kg/ha post-emergence	1.25 kg/ha per crop (maximum 0.5 kg/ha applied post-emergence)	Before the shoots of potatoes reach 15 cm in length

Other specific restrictions:

A minimum of 21 days must be observed between applications.

A maximum total dose of 0.35 kg a.s./ha/season (0.50 kg Matecor New/ha/season) may be applied post-emergence of the crop.

Do not apply via handheld equipment.

READ THE LABEL BEFORE USE. USING THIS PRODUCT IN A MANNER THAT IS INCONSISTENT WITH THE LABEL MAY BE AN OFFENCE. FOLLOW THE CODE OF PRACTICE FOR USING PLANT PROTECTION PRODUCTS.

SAFETY PRECAUTIONS

Operator Protection

Engineering control of operator exposure must be used where reasonably practicable in addition to the following personal protective equipment.

WEAR SUITABLE PROTECTIVE GLOVES AND SUITABLE RESPIRATORY PROTECTIVE EQUIPMENT* when handling the product.

*Disposable filtering facepiece respirator to at least EN149 FFP3 or equivalent.

WEAR SUITABLE PROTECTIVE GLOVES when handling contaminated surfaces.

However, engineering controls may replace personal protective equipment if a COSHH assessment shows they provide an equal or higher standard of protection.

WASH CONCENTRATE from skin or eyes immediately.

DO NOT BREATHE SPRAY.

WHEN USING DO NOT EAT DRINK OR SMOKE.

Wash all protective clothing after use.

Environmental Protection

Do not contaminate water with the product or its container. Do not clean application equipment near surface water. Avoid contamination via drains from farmyards and roads.

To protect aquatic organisms respect an unsprayed buffer zone to surface water bodies in line with LERAP requirements.

DO NOT ALLOW DIRECT SPRAY from horizontal boom sprayers to fall within 5 metres of the top of the bank of a static or flowing water body, unless a Local Environment Risk Assessment for

Pesticides (LERAP) permits a narrower buffer zone, or within 1 metre of the top of a ditch which is dry at the time of application. Aim spray away from water.



This product qualifies for inclusion within the Local Environmental Risk Assessment for Pesticides (LERAP) scheme. Before each spraying operation from a horizontal boom sprayer, either a LERAP must be carried out in accordance with HSE's published guidance or the statutory buffer zone must be maintained. The results of the LERAP must be recorded and kept available for three years.

DIRECTIONS FOR USE

IMPORTANT: This information is approved as part of the Product Label. All instructions within this section must be read carefully in order to obtain safe and successful use of this product.

General information

MATECOR NEW is both a contact and residual herbicide. It can be used to control weeds in named varieties pre-emergence and in certain varieties post-emergence. A list of varieties which may be treated is summarised below.

MATECOR NEW should not be used if a previously applied residual herbicide still remains in the soil. This is especially significant on organic soils.

RESTRICTIONS

Avoid drift as MATECOR NEW may damage sensitive crops especially sugar beet, brassicas and lettuce.

Do not apply MATECOR to crops suffering from disease, stress or nutrient deficiencies or that are cold, waterlogged or grown in acidic conditions.

Care should be taken to avoid spray overlap, as crop damage may occur which may not be outgrown.

SOIL TYPES AND CONDITIONS

Do not use MATECOR NEW on sands.

Do not use MATECOR NEW pre-emergence on Maris Piper in very light soils and do not treat this variety post-emergence.

Tubers should be planted in a moist, clod-free bed with a good tilth with well-rounded ridges. After planting, no further improvements should be required to the soil tilth; further cultivations will increase weed germination and reduce the effectiveness of MATECOR NEW.

The soil should be moist when spraying. Dry conditions may reduce the effectiveness of MATECOR NEW.

The residual activity of MATECOR NEW may be reduced on peaty and organic soils and on mineral soils with high organic matter content.

WEATHER

Yellowing of foliage may occur as a result of treatment, which is more frequent if spraying is carried out less than 3 days after cool cloudy weather and particularly if a sudden change to hot sunny conditions occurs at the time of spraying. The crop should outgrow this yellowing.

In conditions of high sunlight intensity and high daytime temperatures, spraying should be carried out in the evening.

On gravelly or stony soils damage may occur particularly if heavy rain falls soon after application.

FOLLOWING CROPS

Before drilling or planting the next crop, the soil must be mould-board ploughed to a depth of at least 15 cm. It is recommended that ploughing takes place as soon as possible after lifting and definitely before the end of December.

The following intervals must be observed between application of MATECOR NEW and drilling or planting the following crops:

Cereals, ryegrass, winter beans:	16 weeks
All crops except lettuce and radish:	the following spring
Lettuce and radish:	these crops should not be grown in the year after MATECOR NEW treatment.

RESISTANCE

MATECOR NEW contains metribuzin, a triazinone belonging to HRAC group C1.

Always follow WRAG guidelines for preventing and managing herbicide resistant weeds.

Maximise the use of cultural control measures wherever possible (e.g. crop rotation, ploughing, stale seedbeds, delayed planting, etc.).

Use tank-mixes or sequences of herbicides with different modes of action within individual crops.

Copies of the guidelines may be obtained from the CPA, your distributor, crop advisor or product manufacturer.

POTATO VARIETIES

Not all varieties of potato may be safely treated with MATECOR NEW.

Varieties which may be treated:

<u>First earlies, pre-emergence:</u>	Alcmaria, Arran Comet, Ostara, Maris Bard, Pentland Javelin, Ulster Sceptre, Orla
<u>Second earlies, pre-emergence:</u>	Ausonia, Estima, Marfona, Maris Peer, Nadine, Wilja
<u>Maincrop, pre-emergence:</u>	Maris Piper*, Asterix, Markies, Mayan Gold, Melody, Rooster, Shannon, Vales Sovereign
<u>Maincrop, pre- and post-emergence:</u>	Cara, Desiree, King Edward, Kingston, Pentland Crown, Pentland Dell, Pentland Squire, Record, Romano, Claret, Isle of Jura, Vales Everest, Vivaldi

*not on sands or very light soils.

WEEDS CONTROLLED

In the Weed Susceptibility table which follows,

S = susceptible, MS = moderately susceptible,

R = resistant, - = insufficient information.

*Post-emergence weed control up to 1 expanded true leaf is recorded in the table; however most annual broad-leaved weeds will be controlled beyond this stage.

#See section: Specific Weed Situation

Perennial broad-leaved weeds and grasses are not controlled by MATECOR NEW.

Species	Pre-emergence	Post-emergence
Annual meadowgrass	S	S
Black-bindweed	MS	S
Blackgrass	S	MS
Black nightshade	R	MS
Bugloss	S	S
Charlock	S	S
Cleavers	R	R
Common chickweed	S	S
Common fumitory	S	S
Common orache	S	S
Common poppy	S	S
Corn marigold	-	MS
Corn spurrey	S	S
Fat-hen	S	S
Field forget-me-not	S	S
Field pansy	S	MS
Field penny-cress	S	S
Groundsel	S	S
Henbit dead-nettle	S	S
Hemp-nettle	S	-
Knotgrass	S	MS
Mayweed spp.	S	S
Pale persicaria	S	S
Red dead-nettle	S	S
Redshank	S	S
Scarlet pimpernel	S	S
Shepherd's purse	S	S
Small nettle	S	S
Speedwell spp.	S	S
Sun spurge	S	-
Volunteer oilseed rape	S	S
Wild radish	S	S

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Early germinating weeds

For best control, apply MATECOR NEW between the cotyledon to one true leaf stage.

Black-bindweed is best controlled at the cotyledon to two true leaf stage. It is less sensitive to pre-emergence treatments.

Late germinating weeds, including black-bindweed

A post-emergence application may be made to listed safe main crop varieties before leading shoots reach 15 cm. Efficacy of MATECOR NEW on black-bindweed is improved with post-emergence applications.

Perennial grasses

If the potato crop follows grass, then either a suitable herbicide and/or cultivations should be used to kill the sward in the autumn. Following weeds can then be controlled using MATECOR NEW post-emergence on recommended maincrop varieties. MATECOR NEW will suppress common couch when applied post-emergence up to the two leaf stage.

CROP SPECIFIC INFORMATION

Traditional method

Overall application (not incorporated) pre-emergence to recommended earlies varieties and pre- or post-emergence to recommended maincrop varieties. Persistence and residual activity and weed control may be less than the listed susceptibilities in maincrops grown on all soil types and earlies grown on all soil types except very light and light soils.

Pre-crop emergence applications

Potato & Soil Type*	Rate
Earlies (first and second):	
Very light, light, medium and heavy soils:	0.75 kg/ha
Second earlies	
Peaty and organic soils	0.75 kg/ha
Maincrop	
Very light, light, medium, heavy, peaty and organic soils:	0.75 kg/ha

Post-emergence application

Listed maincrop varieties	
All soils:	0.35 kg/ha or 0.5 kg/ha#

#See Specific Timings and Application Methods below.

*Soil Classification ADAS 85 system.

Do not use MATECOR NEW on potatoes grown in sandy soils.

Water volumes

Traditional method

Use a minimum of 200 litres of water per hectare using a Medium Quality spray (as defined by BCPC). Where the soil is cloddy, it is advisable to increase the volume of water.

For post-emergence application use a minimum of 130 litres of water per hectare and a Fine Quality spray (as defined by BCPC).

Apply pre- or post-emergence to the soil surface. Even coverage of both sides of the ridge is important. Care should be taken in particular with post-emergence applications where the crop is sheltering the weeds; it is essential that the spray penetrates the canopy. Do not apply MATECOR NEW in windy conditions.

Filters should be at least size 80 mesh. Filters finer than 80 mesh should not be used.

Specific timings and application methods

Incorporation of MATECOR NEW into the soil

On soils containing greater than 10% organic matter and on mineral soils under dry conditions, MATECOR NEW should be incorporated at a rate of 0.75 kg/ha into the top 10-15 cm of soil during the final cultivation. This gives increased activity and is especially advantageous for those varieties which cannot be treated post-emergence. This method is particularly useful to increase activity on soils with more than 10% organic matter.

Pre-planting: On soils containing greater than 10% organic matter and on mineral soils in dry conditions, apply 0.75 kg/ha of MATECOR NEW, incorporating into the top 10-15 cm of soil during the final cultivation. Suitable cultivators are rotary harrows, rotary cultivators or spring tine harrows. A suitable granular nematicide may be incorporated into the soil at the same time, in accordance with the manufacturer's recommendations. After planting, ridging up should occur as soon as possible. It is important that ridges do not incorporate untreated soil which would allow weeds to establish. A final ridging up may be made, before the crop meets across the rows.

For recommended maincrop potatoes grown in two-row beds only, a follow-up post-emergence treatment of up to 0.5 kg/ha of MATECOR NEW may be applied. This will give useful control of late germinating weeds in the furrows.

Post-planting: Place the tubers in shallow ridges and apply 0.75kg/ha of MATECOR NEW. Before the crop emerges, incorporate by cultivating shallowly while at the same time ridging up. The cultivator should be fitted with suitable ridging bodies. In the case of second early varieties this application may only be made on soils containing more than 10% organic matter.

A further application of up to 0.5 kg/ha of MATECOR NEW will be needed to control later germinating weeds. The second application may also be applied post-emergence before the leading shoots of the potatoes are 15 cm long.

Post-emergence applications

This method is for use on recommended maincrop varieties only. The method is only recommended until the weeds reach the cotyledon stage. If weeds are beyond this stage control may be reduced.

Rate of use: On recommended varieties only, make 1 application at 0.35-0.5 kg/ha.

Timing: Application should be carried out at or before early cotyledon stage of the weeds until the most advanced shoots of the potatoes are 15 cm long.

MATECOR NEW should be used pre-emergence on crops destined for use as seed.

Temporary plastic mulches

Using the traditional method of application, early potatoes may be treated with MATECOR NEW and covered with plastic mulches. Since effective control of weeds by MATECOR NEW is dependent on soil moisture, it is important that crops are well irrigated before the mulch is applied. Application should also be made to well-prepared, clod-free ridges. If using this method on mineral soils with a high organic matter content the residual activity of MATECOR NEW may be reduced. This may result in inadequate weed control.

MIXING AND APPLICATION

For use by tractor mounted/trailed sprayer only.

Add half the required amount of water to the spray tank and begin agitation. Add the recommended quantity of MATECOR NEW. On emptying the container, RINSE CONTAINER THOROUGHLY by using an integrated pressure rinsing device or manually rinsing three times. Add washings to sprayer at time of filling, through the filter basket, and dispose of container safely. Maintain agitation throughout the filling, travelling and spraying operations. Dilute solutions should be sprayed immediately. After spraying, thoroughly clean the sprayer using a recognised decontaminant.

CONDITIONS OF SUPPLY

All products supplied by us are of high grade and conform to specification at the time of delivery, but, as we cannot exercise control over their subsequent storage, handling, mixing or use or the weather conditions before, during and after application which may affect the performance of the products, all conditions and warranties, statutory or otherwise, as to the quality or fitness for any purpose of our products are excluded and no responsibility or liability will be accepted by us or our re-sellers for any failure in performance, damage or injury to person or property whatsoever arising from the storage, handling, application or use of the products. These conditions cannot be varied by our staff or agents whether or not they supervise or assist in the use of such products.

Marketing Company:

PROPLAN Plant Protection Company, S.L.

C/Valle del Roncal, 12 1ª Oficina núm. 7

28232 Las Rozas, Madrid

Tel. 91 626 60 99

Fax 902 108 165

www.proplanppc.es

Email: infoproplan@proplanppc.com