

# Lentagran®



## Weed spectrum

	1 kg	2 kg
<i>Amaranthus retroflexus</i>	G	E
<i>Anthemis arvensis</i>	G	E
<i>Capsella bursa pastoris</i>	E	E
<i>Chenopodium album</i>	G	E
<i>Datura stramonium</i>	G	E
<i>Convolvulus arvensis</i>	G	E
<i>Fumaria officinalis</i>	M	G
<i>Galium aparine</i>	G	E
<i>Galinsoga parviflora</i>	E	E
<i>Lamium purpureum</i>	G	E
<i>Matricaria chamomilla</i>	M	G
<i>Mercurialis annua</i>	G	E
<i>Papaver rhoeas</i>	N	N
<i>Polygonum aviculare</i>	G	E
<i>Polygonum convolvulus</i>	M	G
<i>Polygonum lapathifolium</i>	G	E
<i>Polygonum persicaria</i>	M	G
<i>Senecio vulgaris</i>	M	G
<i>Solanum nigrum</i>	G	E
<i>Spergula arvensis</i>	E	E
<i>Stellaria media</i>	M	G
<i>Sonchus sp</i>	M	G
<i>Thlaspi arvense</i>	M	G
<i>Urtica urens</i>	E	E
<i>Veronica persica</i>	N	M
<i>Viola arvensis</i>	N	N

Efficacy obtained on young, well growing weeds with 2 till 4 leaves

- E Excellent
- G Good
- M Moderate
- N No effect



*Solanum nigrum*



*Chenopodium album*

## Lentagran®

Lentagran® 45 WP  
(7911/B - 45 % pyridaat)  
is a product of Belchim  
Crop Protection N.V.

[www.belchim.com](http://www.belchim.com)

# Lentagran®



- post emergence herbicide
- unique contact effects
- against dicotyledonous weeds
- lots of possibilities in treatment schedules and mixtures



The essential **Link**  
for complete  
weed control

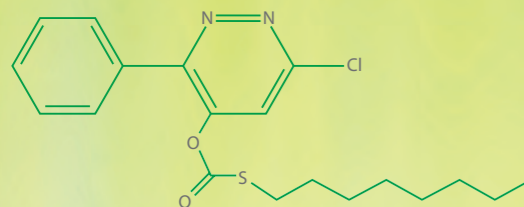
# Lentagran®

- Wettable powder (WP formulation) containing 450 g/kg pyridate
- Post emergence herbicide for weed control in various crops

## Pyridate

- 6-chloro-3-phenylpyridazin-4-yl S-octyl carbonothioate
- Formula :  $C_{19}H_{23}ClN_2O_2S$

### Structure :



- Group of phenyl-pyridazines :

General	May cause sensitisation by skin contact.
Acute Oral Toxicity LD <sub>50</sub>	LD <sub>50</sub> (rat): 2330 mg/kg [OECD 401]
Acute Dermal Toxicity LD <sub>50</sub>	LD <sub>50</sub> (rat): > 4000 mg/kg [OECD 402]
Acute Inhalation Toxicity LC <sub>50</sub>	LC <sub>50</sub> (rat): > 2.14 mg/l [OECD 403]
Skin Irritation	Not irritant (rabbit)
Eye Irritation	Not irritant (rabbit)
Skin sensitization	Sensitizing (Guinea pig maximization test)

In various studies, conducted in different crops it was seen that translocation in the plant is minimal and residues in non-treated parts of the plant were very low.

## Mode of action

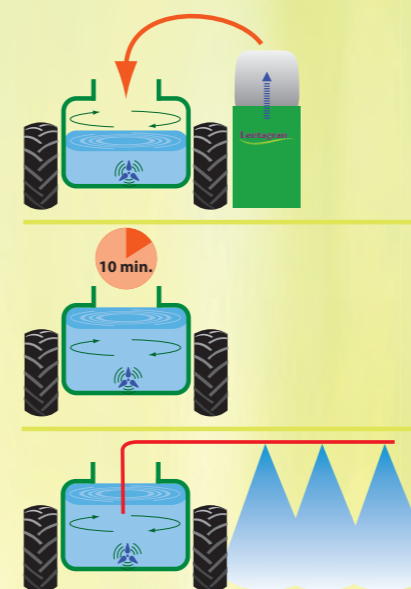
- The active ingredient is absorbed by the leaves.
- In plant species sensitive to pyridate, the transport of electrons is inhibited irreversibly (prevention of production of D1-protein in Photosystem II).
- Damaged plants stop with growing immediately. Afterwards the plant dies (the proces starts at the rim of the leaves).



## Practical recommendations for Lentagran

- Use 300- 600 L water per ha.
- Do not mix with fertilizers, oil adjuvants or graminicides.
- Apply on dry leaves with well-established wax layer.
- Apply on small weeds at cotyledon to 4 real leaf stage.
- Spray with a relatively coarse nozzle for drift reduction.

## Procedure to prepare the spray volume



Fill the tank half with water, activate the agitator and keep it stirring during the preparation.

Open the pack and put the water soluble bag and its content in the tank (dissolved in about 10 minutes).

Do not handle the bag with wet gloves and do not mix with a stick or other tool for risk of flocculation.

Apply the spray volume immediately after preparation. Continue agitation until spraying is completed.