A SELECTIVE POST-EMERGENCE HERBICIDE
<table>
<thead>
<tr>
<th>Year</th>
<th>Event</th>
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</thead>
<tbody>
<tr>
<td>1976</td>
<td>Developed by Agrolinz</td>
</tr>
<tr>
<td>1996</td>
<td>Sandoz + Ciba-Geigy ➔ Novartis</td>
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<tr>
<td>2000</td>
<td>Novartis + Zeneca ➔ Syngenta (dropped from portfolio in 2007)</td>
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<td>2006</td>
<td>Belchim purchased global rights; further developing a WP formulation for the veg. market</td>
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<td>TODAY</td>
<td>- Pyridate included in Annex I (EU)</td>
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<td></td>
<td>- EU renewal process: no major restrictions</td>
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<td></td>
<td>- Compliant with recent regulatory requirements</td>
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<tr>
<td>FUTURE</td>
<td>Reintroduction of pyridate in the US market</td>
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</table>
Pyridate applied after emergence of the weed. The product is quickly absorbed by the leaves (rain-fast after 30 minutes).

Pyridate blocks the photo-synthesis of the weed (by irreversibly inhibiting the transport of electrons)

The weed plants stop growing immediately and dies.
Broadleaf weed control

- Kochia
- Pigweed
- Common lambsquarter
- Black Nightshade
- Groundsel
- Fumitory
- Hempnettle
- Canada Thistle
- Galinsoga
CORN
ALFALFA
GROUNDNUTS
CHICKPEAS
TOBACCO
Row crops
Vegetable crops

- Cabbages
- Onions
- Leek
- Asparagus
- Tomato
- Artichokes
- Fresh Herbs and Spices
- Black Salsify
- Mint
- Clover
WEED STAGE AT APPLICATION
April, 25th 2016
WEED DENSITY IN THE UNTREATED PLOT
Kansas trials IN FALLOW 2016
Efficacy on kochia

Pyridate 24 oz/ac

Kansas trials
IN FALLOW
2016
Pelargonic acid
MODE OF ACTION.

Strict contact herbicide

POST-EMERGENCE

1. Destructuration of cuticle, increasing permeability of wax covering

2. Loss of water in cells

3. Stress induction
   Peroxydation of cells
   Cells membrane damage
4 STEPS TO SUCCESS.

1. **Dose rate**
   - 1.75 G/A in 20 G/A spray volume

2. **Weed stage**
   - Young plants
   - Suckers: 4 to 6 leaf stage

3. **Weather**
   - Minimum 60° F
   - Sunny or bright weather
   - No rain for 2 hours

4. **Spray coverage**
   - All leaves have to be covered
Product Use Patterns

• Agriculture:
  - Weed control
  - Sucker control

• Amenities:
  - Railway
  - Highway
  - Industrial sites

• Home & Garden
FAST ACTION.

T-0

T-15

T-60

T-120
THANK YOU!