Lumivia®
SEED APPLIED INSECTICIDE

Protecting right from the start.
OVERVIEW

Lumivia® at a glance
Lumivia® is a convenient seed applied insecticide that protects rice seedlings from damage from rice water weevil and chironomids. This unique solution to protect the roots helps growers achieve strong, uniform stands. Young plants get off to a good, healthy start leading to secured yields.

<table>
<thead>
<tr>
<th>Target crop</th>
<th>Rice</th>
</tr>
</thead>
<tbody>
<tr>
<td>Target pests</td>
<td>Rice, water weevil (Lissorhoptrus oryzophilus) and Chironomidae (e.g. Chironomus cavazzai, Cricotopus spp., Orthocladius spp.)</td>
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<tr>
<td>Active ingredient</td>
<td>Chlorantraniliprole</td>
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<tr>
<td>Dose Rate</td>
<td>80 – 100 ml/100 kg of seed (max 160 ml/ha)</td>
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<tr>
<td>Formulation</td>
<td>625 g/L Flowable Concentrate for Seed Treatment (FS)</td>
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<tr>
<td>IRAC Group</td>
<td>Group 28 Insecticide</td>
</tr>
<tr>
<td>Mode of Action</td>
<td>Immediate cessation of feeding and direct control of the affected insect.</td>
</tr>
</tbody>
</table>

**CHARACTERISTICS**

- Optimized formulation for seed treatment
- High level of protection
- Efficient control of larvae of rice water weevil and chironomids
- Long lasting protection
- Excellent environmental profile
- Low use rate

**ADVANTAGES**

- Healthy crop during the most vulnerable early season attacks
- Promotes a uniform seed stand establishment
- Optimum plant density/m²
- Convenient and ease of use
- Offers a long lasting crop protection
- Promotes early season vigour and solid root structure
- Facilitates rice seedling growth
- Allows maximum quality and yield potential
- Helps maximize return on investment
- Greater respect to rice ecosystem
- Reassurance and confidence

**Warning:**

Do not use Lumivia® treated seeds for human food or animal feed, oil processing or industrial purposes, consequently an appropriate colourant must be added. Seed must be conspicuously coloured at the time of treatment.

Treated seed to be used exclusively for seeding.
EXCELLENT INSECT CONTROL

Trial Field

Reduction of Number of Larvae
Pest: Rice water weevil

Yield Benefit
Pest: Rice water weevil or Chironomids

Reduction of Number of destroyed seeds
Pest: Chironomids

Increased plot density
Pest: Chironomids

Healthy seedlings (10 days)  Damaged seedlings (10 days)  Completely destroyed seedlings (10 days)

Reduction in %

0 20 40 60 80 100

Reduction of Number of Larvae
Pest: Rice water weevil

100 110

Yield compared to Untreated
Unmpted = 100%

16 Field trials Italy, 2010–2014

17 Field trials Italy and Spain, 2010–2014

Reduction of Number of destroyed seeds
Pest: Chironomids

100 400

Reduction in %

0 20 40 60 80 100

Increased plot density
Pest: Chironomids

2 Laboratory trials Spain, 2012–2013

4 Field trials Spain and France, 2012–2013

Reference product (foliar pyrethroid)

Lumivia®

Lumivia®
A Commitment to Growing Progress

We bring our global presence, deep knowledge and diverse resources so that farms can flourish, moving our world forward.