Makhteshim Agan of North America, Inc.

A Division of the Makhteshim-Agan Industries Group
The world’s largest post patent manufacturer of crop protection chemicals
MANA is Makhteshim Agan of North America Inc. A wholly owned subsidiary of the world’s largest generic crop protection manufacturer.

- 45 Operational Centers - Over 3,000 employees worldwide
Makhteshim Agan Profile

- Has been in the Crop Protection business for over **60 years**
- **State of the art** technological capabilities in organic synthesis
- **World-class production facilities** in Israel & Brazil.
- **70%** Product portfolio formulated in the USA
- **Broad product portfolio** – over 80 active ingredients
- Over $30M investment in registration and product regulatory defence (over 4,000 registrations worldwide)
Herbicides 29/ (17 in CA)

- Adapt™
- *Arrow*® 2EC clethodim - Select® Prism®
- Cotton Pro® prometryn - Caparol®
- Diuron 4L & 80 DF – Karmex® & Direx®
- Galigan® oxyfluorfen – Goal®
- Galigan H2O® oxyfluorfen - GoalTender®
- Glyphogan® - Roundup Original®
- Glyphogan® Plus - Roundup Original® Max
- Metribuzin – Sencor®
- Oryzalin 4 A.S. – Surflan®
- Parallel® metolachlor + benoxacor – Dual®
- Parallel® PCS metolachlor – Dual® II
- Parazone® - paraquat – Gramoxone® Maxx
- Pruvin® – Matrix®
- Sweep™ – bromacil + diuron - Krovar®
- Triflurex® HFP trifluralin – Treflan®
- Vegetable Pro®- prometryn – Caparol® 4L
# Insecticide/ Miticides 16

<table>
<thead>
<tr>
<th>Products</th>
<th>Company/Brand</th>
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<tbody>
<tr>
<td>ABBA® 0.15EC abamectin –</td>
<td>AgriMek® &amp; Zephyr®</td>
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<tr>
<td>Acephate 90 Prill - Orthene®</td>
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<tr>
<td><strong>Alias™ 2F &amp; 4F imidacloprid</strong></td>
<td>Admire® 2F</td>
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<td>Apollo® SC clofentezine</td>
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<td>Chlorpyrifos 4E AG - Lorsban®</td>
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<td>Diamond® - novaluron -Rimon</td>
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<td>Diazinon 50W &amp; AG500</td>
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<tr>
<td>Dicofol® 4 E – Kelthane®</td>
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<tr>
<td>Fanfare® 2EC bifenthrin – Capture®</td>
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<tr>
<td>Guthion® Solupak azinphos-methyl</td>
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<tr>
<td><strong>Pasada™ imidacloprid - Provado®</strong></td>
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<tr>
<td>Silencer® lambda-cyhalothrin -</td>
<td>Warrior® &amp; Karate®</td>
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<tr>
<td>Thionex® 3EC &amp; 50W endosulfan</td>
<td>Thiodan</td>
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<td><strong>Creating Opportunity</strong></td>
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<tr>
<td>Fungicides 10/ (8 in CA)</td>
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| **Bumper**
  propiconazole – Orbit®
  or Tilt® |
| **Equus**® DF – Bravo®
  Ultrex |
| **Equus**® 720 SST – Bravo®
  WeatherStik® |
| **Nevado 4F**® iprodione –
  Rovral® |
| **Orius™ 20AQ**
  tebuconazole – Unique to
  MANA – Elite® WP |
| **Orius**® 3.6 F
  tebuconazole – Folicur |
| **Thiophanate-Methyl**
  (Incognito) 85 WDG/4.5 F - Topsin® |
Orius 3.6 F

Key Highlights:

• Contains the same active ingredient as Folicur 3.6F from Bayer
• Folicur 3.6 is not currently available
• Provides effective control of major foliar fungal diseases
• Provides pre- and post-infection activity
• MANA is basic in tebuconazole
### Major Crops:
- Asparagus
- Beans
- Cereals
- Brassica Vegetables
- Bulb Vegetables
- Cucurbit Vegetables
- Corn
- Cotton
- Grasses Grown for seed

### Major Diseases Controlled:
- Rust
- Powdery mildew
- Head blight
- White mold
- White rot
- Alternaria, Purple blotch
- Gummy stem blight
- Leaf spots
Bumper® 41.8

Key Highlights:

• Labeled on Onions (dry bulb). Garlic & others

• Contains the same active ingredient as Tilt

• Rate is 4 to 8 oz. or 2 to 4 oz. as tank mix

• Labeled for Purple Blotch & suppression of Botrytis
Nevado 4F®

Key Highlights:

• Labeled on Onions (dry bulb). Garlic & others

• Contains the same active ingredient as iprodione - Rovral®

• Rate is 1.5 per Acre

• Labeled for Purple Blotch, Botrytis & Stemphylium
Thiophanate-Methyl (Incognito) 85 WDG

Key Highlights:

- Labeled as a dip for Garlic
- Contains the same active ingredient as Topsin
- Incognito is an 85 % (Topsin 70%) easy to mix WDG
- Labeled as a dip for Penicillium Clove Rot
- Immerse cloves completely in suspension for 5 minutes
Arrow® 2EC

Key Highlights:

• Labeled on Onions & Garlic

• Contains the same active ingredient as - Select® or Prism®

• Rate is 6 to 16 oz./acre with a crop oil concentrate

• Excellent grass control
Key Highlights:

• Labeled on Onions & Garlic

• Contains the same active ingredient as - Goal® or GoalTender®

• Pre & Post labels on Garlic

• Postemergence only on onions
PARALLEL PCS
(metolachlor)

Now labeled for Tomato

- Same active as Dual (Syngenta)
- Black nightshade and nutsedge
- Rate 1 to 2 pints/A
- Transplant tomato or lay by on seeded tomatoes
- Often used in combination with Triflurex
- 90 day PHI
INSECTICIDES

(Non-Pyrethroids)

Thionex

- Under Regulatory scrutiny
- Still registered and performing very well on several crops!

Crops/Uses Cancelled on 12/31/10

- Almond, Apples (CA only), Apricot, Broccoli, Brussels Sprouts, Carrots, Cauliflower, Citrus (Non-bearing), Collard Greens, Dry Beans, Dry Peas, Eggplant, Filbert, Kale, Mustard Greens, Nectarine (CA only), Ornamental trees, shrubs & woody plants, Pears (CA only), Plum & Prune, Radish, Rutabaga, Strawberry (CA only), Sweet Potato, Turnip, Walnut
Committed To The Future

• Our goal is to be the premier post patent chemical supplier in North America
  – Quality products
  – Quality Representation
  – Reliable service
  – Easy to do business with
Thank You
For your time!
Your Business!
And Your Support!

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Creating Opportunity
MANA Crop Protection