

2011-0748  
2012-02-03

(WSP)

# **Nova™ 40W**

## **Agricultural Fungicide**

Water Soluble Packets

KEEP OUT OF REACH OF CHILDREN

GUARANTEE: Myclobutanil 40%

**CAUTION**  **POISON**

**WARNING – EYE IRRITANT**

NET CONTENTS: 140 g

(Overpack)



# Nova™ 40W

## Agricultural Fungicide

GROUP	3	FUNGICIDE
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### In Water-Soluble Pouches

AGRICULTURAL

READ THE LABEL AND BOOKLET BEFORE USING  
KEEP OUT OF REACH OF CHILDREN

GUARANTEE: Myclobutanil 40%

REGISTRATION NO. 22399 PEST CONTROL PRODUCTS ACT

**CAUTION**  **POISON**

**WARNING – EYE IRRITANT**

DO NOT SELL THE WATER SOLUBLE PACKETS INDIVIDUALLY

NET CONTENTS: 0.56 kg (4 x 140 g Water-Soluble Pouches)

**Dow AgroSciences Canada Inc.**  
Suite 2100, 450 - 1 Street S.W.  
Calgary, Alberta  
T2P 5H1  
1-800-667-3852

™Trademark of Dow AgroSciences LLC

## **PRECAUTIONS**

**KEEP OUT OF REACH OF CHILDREN**

**DO NOT APPLY BY AIR**

**Hazardous to Humans and Domestic Animals:** Causes eye irritation. Harmful if swallowed, inhaled, or absorbed through the skin. Do not swallow, get in eyes, on skin or breathe spray mist. Wear goggles, mid-forearm to elbow-length chemical-resistant gloves, wide brimmed hat, long-sleeved shirt, impermeable raincoat, long pants and an appropriate respirator when mixing, loading, and applying this product. Contaminated clothing must be laundered separately in hot water before reusing. Wash hands and face thoroughly after handling and before eating, drinking, smoking, or using toilet.

Do not enter treated areas until sprays have dried. Wear gloves, long sleeved shirts, long pants, a hat and work boots when entering treated areas, including greenhouses, for harvesting, pruning, thinning, suckering or for any other agricultural practice in the treated area. Do not apply this product in such a manner as to directly or through drift expose workers or other persons. Unprotected persons must be vacated from the area being treated.

If this pest control product is to be used on a commodity that may be exported to the U.S. and you require information on acceptable residue levels in the U.S., visit CropLife Canada's web site at [www.croplife.ca](http://www.croplife.ca).

## **FIRST AID**

**Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.**

**If swallowed:** Call a poison control centre or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person.

**If on skin or clothing:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control centre or doctor for treatment advice.

**If inhaled:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control centre or doctor for further treatment advice.

**If in eyes:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control centre or doctor for treatment advice.

## **TOXICOLOGICAL INFORMATION**

No specific antidote. Employ supportive care. Treatment should be based on judgment of the physician in response to reactions of the patient.

## **AGRICULTURAL CHEMICAL**

Do not ship or store with food, feeds, drugs or clothing.

## **ENVIRONMENTAL HAZARDS**

**This Product is Hazardous to Fish.** Do not contaminate any body of water by direct application, cleaning of equipment or disposal of wastes. Do not apply directly to water or wetlands.

Do not apply when weather conditions favour drift or run-off from areas treated.

**Keep a Buffer Zone** (Pesticide Free Zone) of **15 Meters** between spray area and aquatic habitats.

## **STORAGE**

Store in a cool dry place but not below 0 deg C. Do not remove package from container except for immediate use.

**DISPOSAL**

1. When all the water-soluble bags are used, make the empty outer package unsuitable for further use.
2. Dispose of the outer package in accordance with provincial requirements.
3. For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.

**NOTICE TO USER:** This pest control product is to be used only in accordance with the directions on the label. It is an offence under the *Pest Control Products Act* to use this product in any way that is inconsistent with the directions on the label. The user assumes the risk to persons or property that arises from any such use of this product.

(Booklet)



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## **GENERAL INFORMATION**

Nova 40W Agricultural Fungicide is systemic fungicide with both after-infection (eradicator) and protectant properties. This fungicide is most effective when used in a routinely scheduled preventative spray program.

## **GENERAL USE PRECAUTIONS**

- Do not apply by air – ground application only.

## **Tank Mixtures**

Do not apply this product with any other additive, pesticide or fertilizer except as specifically recommended on this label.

## **DIRECTIONS FOR USE**

READ ALL DIRECTIONS CAREFULLY BEFORE APPLYING. FAILURE TO FOLLOW LABEL INSTRUCTIONS MAY RESULT IN ERRATIC FUNGICIDE CONTROL OR CROP DAMAGE.

## **Mixing**

The enclosed pouches of Nova 40W Agricultural Fungicide are water-soluble. Do not allow pouches to become wet prior to adding to the spray tank. Do not handle the pouches with wet hands or wet gloves. Always reseal overwrap bag to protect remaining unused pouches. Do not remove water-soluble pouches from overwrap except to add directly to the spray tank.

Add the required number of unopened pouches as determined by the dosage recommendations into the spray tank with agitation. Depending on the water temperature and the degree of agitation, the pouches should dissolve completely within approximately five minutes from the time they are added to the water. Copper products tank mixed with Nova 40W Agricultural Fungicide reduce the effectiveness of the fungicide.

## **Compatibility**

**Please note** - Do not add pouches directly to diesel oils or summer type oil. The pouches are water soluble not oil soluble. Spray tank must be completely free of oil residue from previous sprays. Do not add pouches to spray solutions containing boron or that release free chlorine as the plastic in the pouches becomes insoluble.

## **Application**

A uniform spray coverage is essential for good disease control. Nova 40W Agricultural Fungicide is a systemic fungicide and will not be affected if rainfall occurs at least one hour after application. This fungicide is locally systemic.

<b>Apples</b>		
Best control of labeled diseases is achieved when Nova 40W Agricultural Fungicide is applied on a 7 to 10 day application schedule.		
<b>Disease</b>	<b>Rate of Nova 40W (g/ha)</b>	<b>Use Recommendations</b>
<b>SCAB</b> Prebloom	340	Begin application at green tip or when environmental conditions become favorable for primary scab development. Apply Nova 40W Agricultural Fungicide alone or in a tank mix with 3 kg per hectare Dithane™ DG or Dithane™ M-45
Bloom and Postbloom	340	Use Nova 40W Agricultural Fungicide in a tank mix with 3 kg per hectare Dithane DG or Dithane M-45 for improved fruit scab and summer disease control.
Post- infection (Prebloom only)	340	Nova 40W Agricultural Fungicide provides 96-hour after-infection control or curative activity. Apply Nova 40W Agricultural Fungicide as soon as possible after the infection period and follow with a second Nova 40W Agricultural Fungicide application 7 days later. Continue with a regular Nova 40W Agricultural Fungicide spray schedule or a regular protectant program. Nova 40W Agricultural Fungicide will suppress sporulation in established lesions when used in two or more applications.
<b>POWDERY MILDEW</b>	340	Begin application at tight cluster and continue through the second (apples only) cover spray. If powdery mildew was prevalent the previous year, apply Nova 40W Agricultural Fungicide beginning at green tip. Additional sprays beyond second cover may be needed on susceptible varieties or under heavy disease pressure.
<b>CEDAR APPLE RUST &amp; QUINCE RUST</b>	340	Begin applications at pink stage and continue through the second cover spray.
<b>RESTRICTIONS</b>		
Use a maximum of 6 applications per growing season. Do not apply Nova 40W Agricultural Fungicide within 14 days of harvest. Check the labels of Dithane DG or Dithane M-45 for preharvest intervals.		



<b>Grapes</b>		
<b>Disease</b>	<b>Rate of Nova 40W (g/ha)</b>	<b>Use Recommendations</b>
<b>POWDERY MILDEW</b>	200	Begin application at prebloom and continue application on a 21 day schedule.
<b>BLACK ROT</b>	200	Begin application at prebloom and continue application on a 14 day schedule during infection periods
Tank mix with the recommended rate of Dithane M-45 or Dikar™ prebloom and early post bloom for control of downy mildew.		
<b>RESTRICTIONS</b> Use a maximum of 5 applications per growing season. Do not apply Nova 40W Agricultural Fungicide within 14 days of harvest. Check the label of Dithane M-45 or Dikar for preharvest intervals.		

<b>Stonefruit</b>		
<b>Disease</b>	<b>Rate of Nova 40W (g/ha)</b>	<b>Use Recommendations</b>
<b>CHEERRIES - SWEET</b>		
<b>BROWN ROT</b>	340	Begin application when the fruit blossoms are opening. Continue fungicide application on a 7 to 10 day schedule until harvest.
<b>CHEERRIES - SOUR</b>		
<b>BROWN ROT POWDERY MILDEW LEAF SPOT</b>	340	Begin application at bloom. Repeat applications at 10 day intervals. Where leaf spot and powdery mildew are serious problems apply further post harvest sprays.

<b>Peaches and Nectarines</b>		
<b>Disease</b>	<b>Rate of Nova 40W (g/ha)</b>	<b>Use Recommendations</b>
<b>BROWN ROT</b>	340	Begin application when the first blossoms are opening and repeat at 7 to 14 day intervals. If wet weather occurs, repeat applications every 4 - 5 days until shuck fall. Protect ripening fruit with fungicide applications starting 2 - 3 weeks before harvesting.
<b>POWDERY MILDEW</b>	340	Begin application after bloom schedule at shuck fall. Repeat at 2 - 4 week intervals until terminal growth ceases.
<b>RESTRICTIONS</b> Use a maximum of 6 applications per growing season. Do not apply within 1 day of harvest. Rotate recommended fungicides to help prevent resistance development.		

<b>Saskatoon Berry</b>		
<b>Disease</b>	<b>Rate of Nova 40W (g/ha)</b>	<b>Use Recommendations</b>
<b>POWDERY MILDEW</b>	11.3g product per100L water	Apply at flowering, small green berries, and at green berry stage; spray until dripping.
<b>RESTRICTIONS</b> Do not apply more than 340 g/ha. Use a maximum of 3 applications per growing season. Do not apply Nova 40W Agricultural Fungicide within 14 days of harvest.		

<b>Greenhouse Tomatoes</b>		
<b>Disease</b>	<b>Rate of Nova 40W (g/ha)</b>	<b>Use Recommendations</b>
<b>POWDERY MILDEW</b>	340	Maximum of two applications per year; apply as soon as possible after initial infection and again 7 days later; apply 1000L water/ha; do not apply 3 days before harvest

<b>Greenhouse Cucumbers</b>		
<b>Disease</b>	<b>Rate of Nova 40W (g/ha)</b>	<b>Use Recommendations</b>
<b>POWDERY MILDEW and GUMMY STEM BLIGHT</b>	340	Apply when disease first appears. Make an additional application 14 days later when disease pressure warrants. Do not apply more than 6 times per year; do not apply 2 days before harvest.

<b>Kentucky Bluegrass Grown for Seed</b>		
<b>Disease</b>	<b>Rate of Nova 40W (g/ha)</b>	<b>Use Recommendations</b>
<b>POWDERY MILDEW</b> (Erysiphe graminis)	250	Apply as a foliar spray; two applications, one at pre-heading (15-20 cm tall and not yet headed) and again at 50-100% heading.

**NOTE TO USER:** READ THE FOLLOWING BEFORE USING THIS PRODUCT FOR THE INDICATED SPECIAL USE APPLICATIONS: The DIRECTIONS FOR USE for this product for the use(s) described below were developed by persons other than Dow AgroSciences Canada Inc. and accepted for registration by Health Canada under the User Requested Minor Use Label Expansion program. Dow AgroSciences Canada Inc. itself makes no representation or warranty with respect to performance (efficacy) and/or crop tolerance (phytotoxicity) claims for this product when used on the crop(s) listed below.

Accordingly, the Buyer and User assume all risks related to performance and crop tolerance arising, and agrees to hold Dow AgroSciences Canada Inc. harmless from any claims based on efficacy and/or phytotoxicity in connection with the use(s) described on this label.

Refer to the main Nova 40W Agricultural Fungicide label for additional details and instructions, including preharvest intervals, before using.

**READ THE ROTATIONAL CROPPING RESTRICTIONS ON THE FULL LABEL BEFORE USING THIS PRODUCT.**

<b>CROP</b>	<b>DISEASE</b>	<b>RATE</b>	<b>RECOMMENDATIONS</b>	<b>RESTRICTIONS</b>
<b>Geraniums</b>	<b>Rust</b> (Puccinia pelargonii-zonatis)	340 g/1000 L water	Apply when disease appears and then every 10-14 days	Use a maximum of 6 applications per growing season
<b>Poinsettias</b>	<b>Powdery Mildew</b>	280 g/1000 L water	Apply when disease first appears and then every 10-14 days	Use a maximum of 6 applications per growing season
<b>Asparagus</b>	<b>Rust</b>	340 g/ha	Post harvest treatment of ferns; ground; 370L water/ha	Use a maximum of 5 applications at 7 day intervals
<b>Cut and Potted Roses, Gerbera, Aster and Chrysanthemums (Nursery and Greenhouse)</b>	<b>Powdery Mildew</b> (Sphaerotheca pannosa); (Erysiphe cichoracearum) and <b>Rust</b>	340 g/1000 L water	Apply as soon as possible after initial infection. Apply as a high volume wet spray to runoff.	Use a maximum of 6 applications per year, repeat applications with a 10-14 day interval. Do not enter treated areas, including greenhouses, until 24 hours after application.

CROP	DISEASE	RATE	RECOMMENDATIONS	RESTRICTIONS
<b>Nursery Grown Ornamentals:</b>  Amelanchier Ash Chrysanthemum Iris Hollyhock Phlox	Rust	250-340 g/1000 L water	Apply as soon as possible after initial infection. Apply as a high volume wet spray to runoff.	Use a maximum of 6 applications per year, repeat applications with a 10-14 day interval. Do not enter treated areas until 24 hours after application.
Carnation	Rust	540 g/1000 L water		
Hollyhock Phlox Rose	Powdery mildew	340 g/1000 L water		
Crabapple Flowering	Rust, Powdery mildew and Scab	340 g/1000 L water		
Greenhouse Peppers	Powdery Mildew	340 g/ha	Apply as soon as possible after initial infection and again 12 days later when disease pressure warrants control; apply 1500-3000 L water/ha.	Use a maximum of 3 applications per crop cycle. Do not apply Nova 40W Agricultural Fungicide within 3 days of harvest. Do not re-enter treated areas within 12 hours of application.
Crabapple, flowering Hawthorn, flowering Juniper Pear, flowering	Rust	340 g/1000 L water	Apply as soon as possible after initial infection. Apply as a high volume wet spray to runoff.	Use a maximum of 6 applications per year, repeat applications at a 14 day interval. Do not enter treated areas until 24 hours after application.
Azalea/Rhododendron Dogwood Euonymus Honeysuckle Lilac Privet	Powdery mildew	340 g/1000 L water		
Dogwood	Anthracnose and Septoria leaf spot	340g/1000 L water		
Rose	Black spot	340 g/1000 L water		

<b>Sweet cherry</b>	<b>Powdery mildew</b>	340 g/ha	Apply 340 g Nova 40W Agricultural Fungicide/ha at bloom and repeat at 10-14 day intervals as required until terminal growth ceases. Apply 1000L water/ha.	Use a maximum of 6 applications per year. Application at husk fall is important for fruit protection. Pre-harvest interval is 1 day. Application is by ground only.
<b>Strawberry</b>	<b>Powdery mildew</b>	340 g/ha	Begin applications when disease first appears or when conditions favour disease development. Repeat application at 14-to-21 day intervals. Observe a 120-day plant-back interval between the last application and planting leafy vegetable or grain crops, and a 210-day plant-back interval between the last application and planting root vegetable or any other unlabelled crop at the treatment site.	Use a maximum of 6 applications per growing season. Do not apply Nova 40W Agricultural Fungicide within 3 days of harvest.
<b>Pear</b>	<b>Scab</b> ( <i>Venturia pirina</i> )	340 g/ha	Apply starting at greentip or when conditions are favorable for scab infestation. Repeat application at 7-to-10 day intervals. Apply as a foliar spray in a spray volume of 500 to 1000 L/water.	Use a maximum of 6 applications per growing season. Do not apply within 14 days of harvest.

Grape	<b>Suppression of Anthracnose</b> <i>(Elsinoe ampelina)</i>	340 g/ha	Apply as a foliar spray in sufficient water to insure adequate coverage. Begin application when new shoots are 3 to 8 cm in length and continue on an application schedule. Repeat application at 14 day intervals.	Use a maximum of 3 applications per growing season. Do not apply within 14 days of harvest.  <b>Reentry</b> DO NOT enter or allow worker entry into treated areas during the restricted entry interval (REI) of 19 days for cane turning and girdling activities on <b>table grapes</b> .  DO NOT enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 days for hand harvesting, training, thinning, hand pruning, tying and leaf pulling.  DO NOT enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours for all other activities
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**RESISTANCE MANAGEMENT RECOMMENDATIONS**

For resistance management, please note that Nova 40W Agricultural Fungicide contains a Group 3 fungicide. Any fungal population may contain individuals naturally resistant to Nova 40W Agricultural Fungicide and other Group 3 fungicides. A gradual or total loss of pest control may occur over time if these fungicides are used repeatedly in the same fields. Other resistance mechanisms that are not linked to site of action but specific for individual chemicals, such as enhanced metabolism, may also exist. Appropriate resistance-management strategies should be followed.

To delay fungicide resistance:

- Where possible, rotate the use of Nova 40W Agricultural Fungicide or other Group 3 fungicides with different groups that control the same pathogens.
- Use tank mixtures with fungicides from a different group when such use is permitted.
- Fungicide use should be based on an IPM program that includes scouting, historical information related to pesticide use and crop rotation and considers cultural, biological and other chemical control practices.

- Monitor treated fungal populations for resistance development.
- If disease continues to progress after treatment with this product, do not increase the use rate. Discontinue use of this product, and switch to another fungicide with a different target site of action, if available.
- Contact your local extension specialist or certified crop advisors for any additional pesticide resistance-management and/or IPM recommendations for specific crops and pathogens.
- For further information and to report suspected resistance, contact Dow AgroSciences Canada Inc. at 1-800-667-3852 or at [www.dowagro.ca](http://www.dowagro.ca).

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