



Bayer CropScience

Kodiak® Concentrate Fungicide
POWDER

Kodiak Concentrate is a biological fungicide seed treatment product containing bacteria which colonize the developing root system, suppressing disease organisms such as *Fusarium* and *Rhizoctonia* that attack root systems of plants

AGRICULTURAL

GUARANTEE: *Bacillus subtilis* GB03 5.5 X 10¹⁰ CFUs per gram

REGISTRATION NUMBER 30939 PEST CONTROL PRODUCTS ACT

CAUTION

POTENTIAL SENSITIZER
WARNING- EYE AND SKIN IRRITANT

READ THE LABEL BEFORE USING

KEEP OUT OF REACH OF CHILDREN

NET CONTENTS : ___ kg

Date of Manufacture:

Bayer CropScience Inc.
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Calgary, AB
T2C 3G3

Product Information: 1-888-283-6847
www.bayercropscience.ca

In case of spills, poisoning or fire, telephone emergency response number
1-800-334-7577 (24 hours a day).

This product contains no colourant. All seed treated with this product must be conspicuously coloured at the time of treatment. Regulations pertaining to the "Seeds Act" must be strictly adhered to when using this product.

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GENERAL INFORMATION

SECTION 1: 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 a 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.

SECTION 2: THE PRODUCT

Kodiak Concentrate biological fungicide contains bacteria which colonize the developing root system, suppressing disease organisms such as *Fusarium* and *Rhizoctonia* that attack root systems. When used with a chemical seed treatment, the combination of chemicals and Kodiak Concentrate provides protection to the root for a much longer time than with chemicals alone. As the root system develops, the bacteria grow with the roots extending the protection throughout the growing season. As a result of this biological protection, a vigorous root system is established by the plant, which often results in more uniform stands and greater yields.

SAFETY AND HANDLING

SECTION 3: PRECAUTIONS, PROTECTIVE CLOTHING AND EQUIPMENT

PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN.

May cause sensitization. Causes eye and skin irritation. DO NOT get in eyes and on skin. Avoid contact with clothing.

Applicators and other handlers must wear: Long-sleeved shirt and long pants, waterproof gloves, shoes and socks, eye goggles, and a dust-mist filtering respirator/mask (MSHA/NIOSH approval number prefix TC-21C) or a NIOSH approved respirator/mask with any N-95, R-95, P-95 or HE filter. Wash thoroughly with soap and water after handling. Follow manufacturer's instructions for cleaning/maintaining personal protective equipment (PPE). If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

SECTION 4: FIRST AID AND TOXICOLOGICAL INFORMATION

FIRST AID:

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

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 in eyes	<ul style="list-style-type: none"> • 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.
If swallowed	<ul style="list-style-type: none"> • 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 inhaled	<ul style="list-style-type: none"> • 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.

TOXICOLOGICAL INFORMATION

Treat symptomatically.

SECTION 5: ENVIRONMENTAL HAZARDS

To reduce runoff from treated areas into aquatic habitats avoid application to areas with a moderate to steep slope, compacted soil, or clay. Avoid application when heavy rain is forecast. Contamination of aquatic areas as a result of runoff may be reduced by including a vegetative strip between the treated area and the edge of the water body.

SECTION 6: STORAGE

To prevent contamination store this product away from food or feed. Store in a cool, dry place. Store in original container at ambient temperatures (4–25°C) for a period of up to 1 year from the date of manufacture.

SECTION 7: DISPOSAL

1. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. Follow provincial instruction for any required additional cleaning of the container prior to its disposal.
3. Make the empty container unsuitable for further use.
4. Dispose of the container in accordance with provincial requirements.

5. 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.

DIRECTIONS FOR USE

- As this product is not registered for the control of pests in aquatic systems, DO NOT use to control aquatic pests.
- DO NOT contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.

This product contains no colourant. An appropriate colourant must be added when this product is applied to seed. Regulations pertaining to the "Seeds Act" must be strictly adhered to when using this product. Users are responsible for ensuring that the treated seed, when dried and ready for bagging, has an unnatural colour.

SECTION 8: CROPS AND PESTS

8.1 Canola, mustard (oilseed and condiment) and rapeseed

Pest	Dosage Kodiak Concentrate (gram/100 kg of seed)	Remarks
Suppression of damping-off and of root rot caused by <i>Rhizoctonia solani</i> and <i>Fusarium spp.</i>	45 - 225	Dilute in sufficient liquid to achieve uniform distribution and to provide good coverage.

8.2 Crop Group 6 Legume Vegetables including soybeans: Bean (includes grain lupin, sweet lupin, white lupin, white sweet lupin, field bean, kidney bean, lima bean, navy bean, pinto bean, runner bean, snap bean, tepary bean, wax bean, adzuki bean, asparagus bean, blackeyed pea, catjang, Chinese longbean, cowpea, Crowder pea, moth bean, mung bean, rice bean, southern pea, urd bean, yardlong bean, blackeyed pea, cowpea, southern pea), broad bean, chickpea (garbanzo bean), guar, jackbean, lablab bean (hyacinth bean), lentil, pea (includes dwarf pea, edible-pod pea, English pea, field pea, garden pea, green pea, snow pea, sugar snap pea), pigeon pea, soybean (includes immature), sword bean.

Pest	Dosage Kodiak Concentrate (grams/100 kg of seed)	Remarks
Suppression of seedling blight and root rot caused by <i>Rhizoctonia solani</i> and <i>Fusarium spp.</i>	7.75	Dilute in sufficient liquid to achieve uniform distribution and to provide good coverage.

8.3 Tank Mixtures

May be used in combination with other registered Bayer CropScience seed treatment fungicides and insecticides such as Trilex AL Concentrate, Prosper FX, PENCLOTRIME, PENTRI, PENPROME, Raxil MD, Raxil Pro MD for crops which they are labelled. Prior to tank mixing product, pre-test for compatibility with other seed treatment products.

SECTION 9: APPLICATION INSTRUCTIONS AND USE LIMITATIONS

9.1 Labeling of treated seed

All bags containing treated seed must be labeled or tagged as follows:

“This seed has been treated with Kodiak Concentrate, which contains *Bacillus subtilis* GB03. Do not use for feed, food or oil processing. Store away from feeds and other foodstuffs.”

9.2 Seed Quality

Treatment of highly mechanically damaged seed, or seed of known low vigor and poor quality, may result in reduced germination and/or reduction of seed and seedling vigor. Treat and conduct germination tests on a small portion of seed before committing the total seed lot to a selected chemical treatment. Due to seed quality conditions beyond the control of Bayer CropScience, no claims are made to guarantee germination of carry-over seed.

SECTION 10: MIXING INSTRUCTIONS

Kodiak Concentrate may be applied as a water-based slurry with other registered seed treatment insecticides and fungicides through standard slurry or mist commercial seed treatment equipment. To mix, first add the chemical insecticides and/or fungicides to the slurry mix with approximately ½ of the required water. Slowly add the Kodiak Concentrate to the slurry until a uniform suspension is obtained. Add the remainder of the required water and maintain continuous agitation. Do not store mixed slurries for longer than 72 hours.

Kodiak[®], [™] Concentrate fungicide is a trademark of Bayer.