

POISON

KEEP OUT OF REACH OF CHILDREN
READ SAFETY DIRECTIONS BEFORE OPENING OR USING

Sabakem

Imidacloprid 600FS®

Seed Treatment Insecticide

ACTIVE CONSTITUENT: 600 g/L IMIDACLOPRID

GROUP **4A** INSECTICIDE

For the control of various insect pests in a range of crops,
protection against insect pests of stored grains and the
prevention of spread of barley yellow dwarf virus in cereal crops,
as specified in the Directions for Use table.

IMPORTANT: READ THIS LEAFLET BEFORE OPENING OR USING THIS PRODUCT

Sabakem Pty Ltd ABN 34 151 682 138
Suite 809, Level 8, 2 Queen Street, Melbourne VIC 3000
Tel: 03 9629 3979 • Fax: 1300 242 436

www.sabakem.com

Leaflet_0219

APVMA Approval No: 68994/118042

GENERAL INSTRUCTIONS

COTTON

Mixing and seed treatment

Prior to pouring or pumping Sabakem Imidacloprid 600FS® Seed Treatment from the container, either shake the container vigorously or operate pump by-pass to ensure thorough mixing of the contents. Flowable formulations will settle over time. It is advised to use a coarse filter prior to use, to remove any flakes that may have formed inside the drum. Add most of the water into the mixing vat, followed by flowable fungicides, coating agents (e.g. Peridam*, Nancret*) and Sabakem Imidacloprid 600FS® Seed Treatment Insecticide and stir until homogeneous. Then add the emulsifiable liquid fungicide (e.g. Apron* 200SL) slowly whilst stirring. Calibrate commercial seed dressing equipment to ensure the seed throughput is mixed with the correct dose of slurry seed dressing. Ensure the seed dressing mixture is applied to the maximum number of seeds when initially applied to the seed. Retain seed in mixing chamber until coverage on seed is good. Store treated seed under cover in cool, dry conditions.

DO NOT treat seed with poor viability. DO NOT store treated seed near foodstuffs or where likely to prove hazardous to humans or animals.

FORAGE AND SEED PASTURE, CANOLA, FORAGE BRASSICAS, LUPINS, SUMMER CROPS

Mixing and seed treatment

Prior to pouring, shake container vigorously, then add the required quantity of Sabakem Imidacloprid 600FS® Seed Treatment Insecticide to sufficient water to give even coverage of the seed to be treated. Place seed in mixing equipment and rotate. Mix Sabakem Imidacloprid 600FS® Seed Treatment Insecticide with sufficient water to give even coverage of seed and spray onto seed. For small seeds, apply a total volume of Sabakem Imidacloprid 600FS® Seed Treatment Insecticide plus water of 1.5 L/100kg seed. For large seeds, apply a total volume of Sabakem Imidacloprid 600FS® Seed Treatment Insecticide plus water of 500 mL/100kg seed. Continue rotation until all liquid is distributed on seed. Store treated seed under cover in cool, dry conditions. DO NOT treat seed with poor viability. DO NOT store treated seed near foodstuffs or where likely to prove hazardous to humans or animals. DO NOT carry over maize, sorghum, sunflower or sweet corn seed from one season to the next season.

The insecticidal activity of Sabakem Imidacloprid 600FS® Seed Treatment Insecticide on the seed is maintained for a minimum of two seasons.

Flow rate: Sabakem Imidacloprid 600FS® Seed Treatment Insecticide treated seed may slow flow rate of seed. Check flow rate of seed through sowing machinery before sowing to ensure the desired seeding rate is achieved.

CEREAL CROPS

Mixing and seed treatment

Prior to pouring, shake container vigorously, then add the required quantity of Sabakem Imidacloprid 600FS® Seed Treatment Insecticide to sufficient water to give even coverage of the cereal seed to be treated. The quantity of water used for mixing will vary depending on type of equipment and quantity of seed. Use a minimum of 400 mL of mixture (product + water) with each 100 kg of seed. Whatever dilution is used it is essential that 120 mL or (240 mL) of Sabakem Imidacloprid 600FS® Seed Treatment Insecticide is applied/100 kg seed. The mixture should be gently stirred regularly.

SEED QUALITY

Sabakem Imidacloprid 600FS® Seed Treatment Insecticide seed treatment should not be used on seed with more than 12% moisture content, or on sprung, sprouted, damaged or severely pinched seed of poor viability. If in doubt, have a germination test carried out on the seed before treatment to ensure that it is of acceptable standard. Treating with Sabakem Imidacloprid 600FS® Seed Treatment Insecticide as directed may raise the moisture level of the seed by up to 0.6%, depending on conditions at treatment. The use of Sabakem Imidacloprid 600FS® Seed Treatment Insecticide mixed with the water at recommended rates will have no effect on the storage life of treated sound seed.

COMPATIBILITY

For information on the compatibility of SABAKEM® Sabakem Imidacloprid 600FS® Seed Treatment Insecticide with other products, contact your local Sabakem representative.

STORAGE OF TREATED SEED

DO NOT store treated seed near foodstuffs or where likely to prove hazardous to humans or animals. If the seed is not used immediately after treatment it should be stored in a dry, well ventilated place. Although Sabakem Imidacloprid 600FS® Seed Treatment Insecticide has no effect on the viability of treated seed, subsequent germination can be adversely affected by poor storage conditions such as high moisture combined with high temperatures. No liability can therefore be accepted for the performance of stored treated seed.

PRECAUTIONS

When treated seed is stored it should be kept apart from other grain and the bags or other containers should be clearly marked to indicate the contents have been treated with this product. DO NOT allow seed treated with this product to contaminate seed intended for human consumption. DO NOT use treated seed for human consumption. DO NOT use treated seed for human consumption. Bags which have held treated seed are not to be used for any other purpose.

INSECTICIDE RESISTANCE WARNING

For insecticide resistance management Sabakem Imidacloprid 600FS® Seed Treatment Insecticide

GROUP **4A** INSECTICIDE

is a group 4A insecticide. Some naturally occurring insect biotypes resistant to Sabakem Imidacloprid 600FS® Seed Treatment Insecticide and other Group 4A insecticides may exist through normal genetic variability in any insect population. The resistant individuals can eventually dominate the insect population if Sabakem Imidacloprid 600FS® Seed Treatment Insecticide and other group 4A insecticides are used repeatedly. The effectiveness of Sabakem Imidacloprid 600FS® Seed Treatment Insecticide on resistant individuals could be significantly reduced. Since the occurrence of resistant individuals is difficult to detect prior to use, Sabakem Pty Ltd accepts no liability for any losses that may result from the failure of Sabakem Imidacloprid 600FS® Seed Treatment Insecticide to control resistant insects. Sabakem Imidacloprid 600FS® Seed Treatment Insecticide may be subject to specific resistance management strategies. For further information contact your supplier, Sabakem representative or local agricultural department agronomist.

PROTECTION OF LIVESTOCK

Seed treated with this product must not be used for animal consumption or poultry feed or mixed with animal feed. DO NOT allow seed treated with this product to contaminate seed intended for animal consumption.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

DO NOT contaminate ponds, waterways and drains with this product, used containers or bags which have held treated seed. DO NOT feed treated seed or otherwise expose to wild or domestic birds. Any spillages of treated seed, however minor, must be cleaned up immediately, preferable by recovery and re-use. If disposal is required, ensure treated seeds as thoroughly buried and not accessible to birds and other wildlife.

STORAGE AND DISPOSAL

Store in the closed, original container in a cool, well ventilated area. DO NOT store for prolonged periods in direct sunlight. Triple-rinse containers before disposal. Add rinsings to spray tank. DO NOT dispose of undiluted chemicals on site. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush, or puncture and deliver empty packaging to an approved waste management facility. If an approved waste management facility is not available, bury the empty packaging 500 mm below the surface in a disposal pit specifically marked and set up for this purpose, clear of waterways, desirable vegetation and tree roots, in compliance with relevant local, state or territory government regulations. DO NOT burn empty containers or product.

SAFETY DIRECTIONS

Harmful if swallowed. Will irritate the eyes and skin. Repeated exposure may cause allergic disorders. Avoid contact with the eyes and skin. When opening the container and using the product, wear elbow length chemical resistant gloves. Wash hands after use. After each day's use wash gloves.

FIRST AID

If poisoning occurs, contact a Doctor or Poisons Information Centre. Phone Australia 13 11 26.

SAFETY DATA SHEET

For further information refer to the Safety Data Sheet (SDS), which is available from the supplier.

CONDITIONS OF SALE: The use of this product is beyond the control of Sabakem Pty Ltd. No warranty is expressed or implied regarding the suitability or efficiency for any purpose for which it is used by the buyer. Sabakem Pty Ltd accepts no responsibility for any consequences resulting from the use of this product. Sabakem Pty Ltd will not be held liable for any loss, injury or damage arising from the sale, supply or use of this product, whether through negligence or otherwise. No responsibility will be accepted for any consequences whatsoever resulting from the use of this product.

Additional statements required by Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia: Combustible liquid. Harmful if swallowed. May cause long lasting effects to aquatic life.

® Registered trademarks of Sabakem Pty Ltd

APVMA Approval No: 68994/118042

DIRECTIONS FOR USE

CROP	PEST	RATE	CRITICAL COMMENTS
Cotton	Thrips	580mL, 875mL or 1.17 L/100kg seed	Thrips damage is dependent upon thrips infesting cotton seedlings and the subsequent growth rate of the plants. Choose a higher rate if thrips pressure is expected (e.g. winter cereal and weeds supporting thrips) and/or cotton seedlings are expected to experience slow growth (e.g. cool weather from early planting or sown in shorter season districts). The mid-rate is considered a general rate for normal conditions.
	Aphids	875mL or 1.17L/100kg seed	When applied for thrips control, these rates will also control early season aphids.
	Brown Flea Beetle	875mL or 1.17L/100kg seed	When applied for thrips control, these rates will also reduce damage to cotyledons caused by Brown Flea Beetle.
	Wireworms	875mL or 1.17L/100kg seed	Use the higher rate for increased length of control.
Maize, Sorghum, Sunflower, Sweetcorn	Sugarcane Wireworm (<i>Agrypnus variabilis</i>), Eastern False Wireworm (<i>Pterohelaeus darlingensis</i>), Striate False Wireworm (<i>Pterohelaeus alternatus</i>), Southern False Wireworm (<i>Gonocephalum macleayi</i>), Black Field Earwig (<i>Nalva lividipes</i>), Wingless Coackroach (<i>Cosmozosteria</i> spp., <i>Calolampra elegans</i> , <i>C. solidata</i>), Filed Cricket (<i>Teleogryllus commodus</i>), Black Sunflower Scarab (<i>Pseudoheteonyx basicollis</i>)	Maize: 1.4mL / 1000 seeds Sorghum, sunflower, sweet corn: 430mL/ 100kg of seed	Apply only to high quality seed. Ensure thorough coverage of seed.
Canola	Aphids	400 mL/ 100kg of seed	Sabakem Imidacloprid 600FS® will protect canola seedlings from early season aphid damage.
Canola	Blue Oat Mite, Red Legged Earth Mite		Sabakem Imidacloprid 600FS® will protect emerging seedlings for 3-4 weeks after sowing. Crops must be monitored in the first 4 weeks of emergence to ensure product performance. For autumn sowing: After a pasture phase sow Sabakem Imidacloprid 600FS® treated seed following a well timed spring spray (prior to the development of diapause eggs) of Le-Mat† 290SL Insecticide. After a cropping phase a spring spray is not usually required, however if monitoring in spring finds moderate mite populations, a spring spray should be applied. For spring sowing: After a pasture phase apply a spray of Le-Mat* prior to sowing Sabakem Imidacloprid 600FS® treated seed. Sabakem Imidacloprid 600FS® does not affect the viability of Rhizobia when Sabakem Imidacloprid 600FS® is mixed with inoculant and seed is sown immediately into moist soil.
Forage and seed pasture, e.g. grasses such as ryegrass, fescue and phalaris; clovers such as subterranean, white, and strawberry; medics; lucerne			
Forage brassicas (kale, turnips, rape and Swedes)			

CROP	PEST	RATE	CRITICAL COMMENTS			
Lupins	Blue Oat Mite, Red Legged Earth Mite	300 mL/ 100kg seed	Sabakem Imidacloprid 600FS® will protect emerging seedlings for 3-4 weeks after sowing. Crops must be monitored in the first 4 weeks of emergence to ensure product performance. For autumn sowing: After a pasture phase sow Sabakem Imidacloprid 600FS® treated seed following a well timed spring spray (prior to the development of diapause eggs) of Le-Mat† 290SL Insecticide. After a cropping phase a spring spray is not usually required, however if monitoring in spring finds moderate mite populations, a spring spray should be applied. For spring sowing: After a pasture phase apply a spray of Le-Mat* prior to sowing Sabakem Imidacloprid 600FS® treated seed. Sabakem Imidacloprid 600FS® does not affect the viability of Rhizobia when Sabakem Imidacloprid 600FS® is mixed with inoculant and seed is sown immediately into moist soil.			
			Cereals	Feeding damage caused by wheat aphid and corn aphid	120 or 240 mL/100kg of seed	Use the higher rate for increased length of control and in areas of high risk.
			Spread of barley yellow dwarf virus			In high risk areas with over 500mm of rain or in moderate risk areas with over 400mm of rain in seasons following summer rains, a synthetic pyrethroid top-up spray should be applied 7-8 weeks after sowing.
	Protection against insect pests of stored grains: Granary Weevil (<i>Sitophilus granarius</i>), Indian Meal Moth (<i>Plodia interpunctella</i>), Lesser Grain Borer (<i>Rhyzopertha dominica</i>), Rice Weevil (<i>Sitophilus oryzae</i>), Rust-red Flour Beetle (<i>Tribolium castaneum</i>), Sawtoothed Grain Beetle (<i>Oryzaephilus surinanensis</i>), Tropical Warehouse Moth (<i>Ephesia cautella</i>)	120mL/ 100kg of seed	Sabakem Imidacloprid 600FS® will control insect pests during the storage of cereal grains to be used for seed only. Seed treated with Sabakem Imidacloprid 600FS® is not to be used for human consumption or animal feed.			

NOT TO BE USED FOR ANY PURPOSE, OR IN ANY MANNER, CONTRARY TO THIS LABEL UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION

WITHHOLDING PERIOD:

Harvest:

Cotton and food producing crops: NOT REQUIRED WHEN USED AS DIRECTED.

Grazing:

**Maize, sorghum, or sweet corn plants growing from treated seed:
DO NOT GRAZE OR CUT FOR STOCK FOOD WITHIN 4 WEEKS OF SOWING.**

**Pasture, canola or forage brassica plants grown from treated seed:
DO NOT GRAZE OR CUT FOR STOCKFEED FOR SIX WEEKS OF SOWING.**

**Cereal plants grown from treated seed:
DO NOT GRAZE OR CUT FOR STOCK FOOD WITHIN NINE WEEKS OF SOWING.**

**Lupin plants grown from treated seed:
DO NOT GRAZE OR CUT FOR STOCK FOOD WITHIN 16 WEEKS OF SOWING.**