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MAIZE PRODUCT RANGE

SOUTH AFRICA

PRODUCT	WITHHOLDING PERIODS (Minimum number of days between last application and harvest)	African bollworm (larvae)	Black maize beetle	Sorghum stem borer (<i>Chilo partellus</i>) larvae	Fall Armyworm (larvae)	False wire worms	Leafhopper	Maize Stalk borer (<i>Busseola fusca</i>) larvae	Pink stalkborer	Cutworm	Ground weevils	Nematodes	Northern leaf blight	Grey leaf spot
AMICOR®	7	X		X	X			X						
CORAGEN®	7	X		X	X			X						
MARSHAL® 48 EC	12 weeks (grazing)		X		X	X	X	X			X	X		
STEWARD® 150 EC	3 & 42 (grazing)	X		X	X			X						
VANTEX® 60 CS	7 & 28 (grazing)	X		X				X	X	X				
IMPACT® 250 SC	7												X	X
RIZA® GOLD 300 SC	7												X	X

USE PLANT PROTECTION PRODUCTS SAFELY AND WITH RESPONSIBLE CARE. PLEASE ALWAYS FOLLOW THE LABEL WHEN APPLYING PLANT PROTECTION PRODUCTS.



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INSECTICIDES

AMICOR®

REGISTRATION N°	L10722, Act No. 36 of 1947
COMPOSITION	Rynaxypyr® - chlorantraniliprole (anthranilic diamide) 200 g/l, caution
FORMULATION	A suspension concentrate stomach and contact insecticide for the control of various insect pests on a variety of crops as listed.
IRAC GROUP	28
PACKAGING	1 l

PEST	DOSAGE/ha	REMARKS
African bollworm (larvae) (<i>Helicoverpa armigera</i>)	FOLIAR APPLICATION (GROUND)	
Maize stalk borers (larvae) (<i>Busseola fusca</i> , <i>Chilo partellus</i>)	150 ml/ha	Apply AMICOR® Insect Control in a volume of 450 l water per hectare. FOR FALL ARMYWORM: Apply at the beginning of infestation, at the first signs of damage, when no more than 5% of the plants have symptoms of scraped leaves. Application is NOT recommended for control of worms (larvae) larger than 1 cm. FOR AFRICAN BOLLWORM & MAIZE STALK BORERS: For best plant protection, apply during the egg-laying until the very first eggs are hatching, but no later than when 5% of the plants show shot hole damage. Apply over the funnel of the plants and ensure thorough coverage of the foliage. Apply at a 14 day interval. Do not exceed 2 applications per season in total of AMICOR® Insect Control . The alternation of AMICOR® Insect Control with products having a different mode of action (e.g. STEWARD® 150 EC) is recommended. The addition of a suitable adjuvant, such as H&R Crop oil at the registered rates, may enhance efficacy. Allow 7 days between last AMICOR® Insect Control application and harvest.
Fall Armyworm (larvae) (<i>Spodoptera frugiperda</i>)		

PEST	DOSAGE/ha	REMARKS
African bollworm (larvae) (<i>Helicoverpa armigera</i>)	GROUND APPLICATION OVER THE PLANT ROW	
Maize stalk borers (larvae) (<i>Busseola fusca</i> , <i>Chilo partellus</i>)	1.5 ml/100 m plant row	Apply AMICOR® Insect Control in 3 l water per 100 m plant row. FOR FALL ARMYWORM: Apply at the beginning of infestation, at the first signs of damage, when no more than 5% of the plants have symptoms of scraped leaves. Application is NOT recommended for control of worms (larvae) larger than 1 cm. FOR AFRICAN BOLLWORM & MAIZE STALK BORERS: For best plant protection, apply during the egg-laying until the very first eggs are hatching, but no later than when 5% of the plants show shot hole damage. Apply over the funnel of the plants and ensure thorough coverage of the foliage. Repeat after 14 days if re-infestation occurs. Do not exceed 2 applications per season in total of AMICOR® Insect Control . The alternation of AMICOR® Insect Control with products having a different mode of action (e.g. STEWARD® 150 EC) is recommended. The addition of a suitable adjuvant, such as H&R Crop oil at the registered rates, may enhance efficacy. Allow 7 days between last AMICOR® Insect Control application and harvest.
Fall Armyworm (larvae) (<i>Spodoptera frugiperda</i>)		



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PEST	DOSAGE/ha	REMARKS
African bollworm (larvae) (<i>Helicoverpa armigera</i>)	150 ml/ha	FOLIAR APPLICATION (AERIAL) Apply AMICOR® Insect Control in a minimum volume of 30 l water per hectare. FOR FALL ARMYWORM: Apply at the beginning of infestation, at the first signs of damage, when no more than 5% of the plants have symptoms of scraped leaves. Application is NOT recommended for control of worms (larvae) larger than 1 cm. FOR AFRICAN BOLLWORM & MAIZE STALK BORERS: For best plant protection, apply during the egg-laying until the very first eggs are hatching, but no later than when 5% of the plants show shot hole damage. Apply over the funnel of the plants and ensure thorough coverage of the foliage. Apply at a 14 day interval. Do not exceed 2 applications per season in total of AMICOR® Insect Control . The alternation of AMICOR® Insect Control with products having a different mode of action (e.g. STEWARD® 150 EC) is recommended. The addition of a suitable adjuvant, such as H&R Crop oil at the registered rates, may enhance efficacy. Allow 7 days between last AMICOR® Insect Control application and harvest.
Maize stalk borers (larvae) (<i>Busseola fusca</i> , <i>Chilo partellus</i>)		
Fall Armyworm (larvae) (<i>Spodoptera frugiperda</i>)		

PEST	DOSAGE/ha	RECOMMENDATIONS/REMARKS
African bollworm (larvae) (<i>Helicoverpa armigera</i>)	150 ml/ha	CENTER PIVOT FOR FALL ARMYWORM: Apply at the beginning of infestation, at the first signs of damage, when no more than 5% of the plants have symptoms of scraped leaves. Application is NOT recommended for control of worms (larvae) larger than 1 cm. FOR AFRICAN BOLLWORM & MAIZE STALK BORERS: For best plant protection, apply during the egg-laying until the very first eggs are hatching, but no later than when 5% of the plants show shot hole damage. Apply over the funnel of the plants and ensure thorough coverage of the foliage. Ensure that the pivot irrigation system complies with the following specifications before application starts: The distribution coefficient of the pivot irrigation system must be >90%, and the pivot should not apply more than 5 mm (50 000 l) per hectare at maximum speed. Clean all the sieves of the pivot irrigation system before starting application. Calibrate the injection pump of the pivot irrigation system according to the time it takes for the pivot irrigation system to complete one full circle. Set the pivot irrigation system to maximum speed so that as little water as possible (not more than 5 mm) is applied per hectare. Mix the AMICOR® Insect Control with water in the application tank. Stir the spray mixture continuously before and during application. Inject the AMICOR® Insect Control spray mixture into the main application line of the pivot irrigation system as soon as the irrigation system reaches maximum speed. Mark the position on the land when the spray mixture reaches the furthest end of the pivot irrigation system. Allow the pivot irrigation system to complete one full circle from the aforementioned point. Apply at a 14 day interval. Do not exceed 2 applications per season in total of AMICOR® Insect Control . The alternation of AMICOR® Insect Control with products having a different mode of action (e.g. STEWARD® 150 EC) is recommended. When AMICOR® Insect Control is applied through a center pivot irrigation system the addition of an adjuvant is not necessary. However, if an adjuvant is added, use a mineral oil type like H&R Crop Oil at registered application rates and follow the recommended tank mix sequence. Allow 7 days between last AMICOR® Insect Control application and harvest.
Maize stalk borers (larvae) (<i>Busseola fusca</i> , <i>Chilo partellus</i>)		
Fall Armyworm (larvae) (<i>Spodoptera frugiperda</i>)		



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IMPORTANT NOTES APPLICABLE TO STALK BORER, STEM BORER, AFRICAN BOLLWORM AND FALL ARMYWORM CONTROL WITH AMICOR® Insect Control IN MAIZE:

NB: Do not apply AMICOR® Insect Control on maize that are under drought stress.
To ensure optimum results, application must take place early in the morning when dew is present.
Larvae that have already tunnelled into the funnels will not be controlled by AMICOR® Insect Control.
Do not exceed 2 applications per season with AMICOR® Insect Control.
Two applications can be made consecutively after which other mode of action insecticide must be used.

Stalk borer (<i>Busseola fusca</i>) larvae	<p>Commercial maize: Apply during the egg-laying until the very first eggs are hatching, but no later than when 5% of the plants show shot hole damage symptoms in the maize funnels, which are caused by small feeding larvae.</p> <p>Sweetcorn: Apply when egg laying starts, or with the first signs of shot hole damage symptoms on the maize funnels.</p> <p>NB: Application must be done before larvae migrate to the stems of the maize plants and when larvae are smaller than the 2nd larval instar. Do not apply AMICOR® Insect Control on maize against stalk borer while the tassel is encircled by the flag leaf.</p>
Sorghum stem borer (<i>Chilo partellus</i>) larvae	<p>Commercial maize: Apply when eggs are found on 2,5% of the plants, or when 5% of the plants are showing shot hole damage symptoms on the maize funnels, which are caused by small feeding larvae.</p> <p>Sweetcorn: Apply when egg laying starts or with the first signs of shot hole damage symptoms on the maize funnels.</p> <p>NB: Application must be done before larvae migrate to the stems of the maize plants and when larvae are smaller than the 2nd larval instar. Do not apply AMICOR® Insect Control on maize against stalk borer whilst the tassel is encircled by the flag leaf.</p>
African bollworm (<i>Helicoverpa armigera</i>) larvae	<p>Funnel infestation: Apply as for stalk borer (see notes above).</p> <p>Cob infestation: Apply when first larvae are observed on the beard (silk) during cob formation. Larvae that are already deep within the beard or have migrated into the cobs will not be controlled.</p>
Fall armyworm (<i>Spodoptera frugiperda</i>) larvae	<p>Apply at the beginning of infestation and at the first signs of damage, when no more than 5% of the plants have symptoms of scraped leaves.</p> <p>Application is NOT recommended for control of worms (larvae) larger than 1 cm.</p> <p>NB: Application must be done before larvae migrate into the cobs of the maize plants. Larvae that are already deep within the beard or have migrated into the cobs will not be controlled.</p>



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CORAGEN®

REGISTRATION N°	L8529, Act No. 36 of 1947
COMPOSITION	Chlorantraniliprole (anthranilic diamide) 200 g/ℓ, caution
FORMULATION	A suspension concentrate stomach and contact insecticide for the control of various insect pests on a variety of crops as listed.
IRAC GROUP	28
PACKAGING	10 x 1 ℓ, 20 x 200 ml

PEST	DOSAGE/ha	REMARKS
African bollworm (larvae) (<i>Helicoverpa armigera</i>)	150 ml/ha	FOLIAR APPLICATION (GROUND)
Maize stalk borers (larvae) (<i>Busseola fusca</i> , <i>Chilo partellus</i>)		Apply CORAGEN® in a volume of 450 L water per hectare.
Fall Armyworm (larvae) (<i>Spodoptera frugiperda</i>)		FOR FALL ARMYWORM: Apply at the beginning of infestation, at the first signs of damage, when no more than 5% of the plants have symptoms of scraped leaves. Application is NOT recommended for control of worms (larvae) larger than 1 cm. FOR AFRICAN BOLLWORM & MAIZE STALK BORERS: For best plant protection, apply during the egg-laying until the very first eggs are hatching, but no later than when 5% of the plants show shot hole damage. Apply over the funnel of the plants and ensure thorough coverage of the foliage. Apply at a 14 day interval. Do not exceed 2 applications per season in total of CORAGEN® . The alternation of CORAGEN® with products having a different mode of action (e.g. STEWARD® 150 EC) is recommended. The addition of a suitable adjuvant, such as H&R Crop oil at the registered rates, may enhance efficacy. Allow 7 days between last CORAGEN® application and harvest.

PEST	DOSAGE/ha	REMARKS
African bollworm (larvae) (<i>Helicoverpa armigera</i>)	1.5 ml/100 m plant row	GROUND APPLICATION OVER THE PLANT ROW
Maize stalk borers (larvae) (<i>Busseola fusca</i> , <i>Chilo partellus</i>)		Apply CORAGEN® in 3 ℓ water per 100 m plant row. FOR FALL ARMYWORM: Apply at the beginning of infestation, at the first signs of damage, when no more than 5% of the plants have symptoms of scraped leaves. Application is NOT recommended for control of worms (larvae) larger than 1 cm. FOR AFRICAN BOLLWORM & MAIZE STALK BORERS: For best plant protection, apply during the egg-laying until the very first eggs are hatching, but no later than when 5% of the plants show shot hole damage. Apply over the funnel of the plants and ensure thorough coverage of the foliage. Repeat after 14 days if re-infestation occurs. Do not exceed 2 applications per season in total of CORAGEN® . The alternation of CORAGEN® with products having a different mode of action (e.g. STEWARD® 150 EC) is recommended. The addition of a suitable adjuvant, such as H&R Crop oil at the registered rates, may enhance efficacy. Allow 7 days between last CORAGEN® application and harvest.
Fall Armyworm (larvae) (<i>Spodoptera frugiperda</i>)		



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PEST	DOSAGE/ha	REMARKS
African bollworm (larvae) (<i>Helicoverpa armigera</i>)	150 mL/ha	FOLIAR APPLICATION (AERIAL)
Maize stalk borers (larvae) (<i>Busseola fusca</i> , <i>Chilo partellus</i>)		Apply CORAGEN® in a minimum volume of 30 l water per hectare.
Fall Armyworm (larvae) (<i>Spodoptera frugiperda</i>)		FOR FALL ARMYWORM: Apply at the beginning of infestation, at the first signs of damage, when no more than 5% of the plants have symptoms of scraped leaves. Application is NOT recommended for control of worms (larvae) larger than 1 cm. FOR AFRICAN BOLLWORM & MAIZE STALK BORERS: For best plant protection, apply during the egg-laying until the very first eggs are hatching, but no later than when 5% of the plants show shot hole damage. Apply over the funnel of the plants and ensure thorough coverage of the foliage. Apply at a 14 day interval. Do not exceed 2 applications per season in total of CORAGEN® . The alternation of CORAGEN® with products having a different mode of action (e.g. STEWARD® 150 EC) is recommended. The addition of a suitable adjuvant, such as H&R Crop oil at the registered rates, may enhance efficacy. Allow 7 days between last CORAGEN® application and harvest.

PEST	DOSAGE/ha	RECOMMENDATIONS/REMARKS
African bollworm (larvae) (<i>Helicoverpa armigera</i>)	150 mL/ha	CENTER PIVOT
Maize stalk borers (larvae) (<i>Busseola fusca</i> , <i>Chilo partellus</i>)		FOR FALL ARMYWORM: Apply at the beginning of infestation, at the first signs of damage, when no more than 5% of the plants have symptoms of scraped leaves. Application is NOT recommended for control of worms (larvae) larger than 1 cm. FOR AFRICAN BOLLWORM & MAIZE STALK BORERS: For best plant protection, apply during the egg-laying until the very first eggs are hatching, but no later than when 5% of the plants show shot hole damage. Apply over the funnel of the plants and ensure thorough coverage of the foliage. Ensure that the pivot irrigation system complies with the following specifications before application starts: The distribution coefficient of the pivot irrigation system must be >90%, and the pivot should not apply more than 5 mm (50 000 l) per hectare at maximum speed. Clean all the sieves of the pivot irrigation system before starting application. Calibrate the injection pump of the pivot irrigation system according to the time it takes for the pivot irrigation system to complete one full circle. Set the pivot irrigation system to maximum speed so that as little water as possible (not more than 5 mm) is applied per hectare. Mix the CORAGEN® with water in the application tank. Stir the spray mixture continuously before and during application. Inject the CORAGEN® spray mixture into the main application line of the pivot irrigation system as soon as the irrigation system reaches maximum speed. Mark the position on the land when the spray mixture reaches the furthest end of the pivot irrigation system. Allow the pivot irrigation system to complete one full circle from the aforementioned point. Apply at a 14 day interval. Do not exceed 2 applications per season in total of CORAGEN® . The alternation of CORAGEN® with products having a different mode of action (e.g. STEWARD® 150 EC) is recommended. When CORAGEN® is applied through a center pivot irrigation system the addition of an adjuvant is not necessary. However, if an adjuvant is added, use a mineral oil type like H&R Crop Oil at registered application rates and follow the recommended tank mix sequence. Allow 7 days between last CORAGEN® application and harvest.
Fall Armyworm (larvae) (<i>Spodoptera frugiperda</i>)		



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IMPORTANT NOTES APPLICABLE TO STALK BORER, STEM BORER, AFRICAN BOLLWORM AND FALL ARMYWORM CONTROL WITH CORAGEN® IN MAIZE:

NB: Do not apply CORAGEN® on maize that are under drought stress.

To ensure optimum results, application must take place early in the morning when dew is present.

Larvae that have already tunnelled into the funnels will not be controlled by CORAGEN®.

Do not exceed 2 applications per season with CORAGEN®.

Two applications can be made consecutively after which other mode of action insecticide must be used.

Stalk borer (*Busseola fusca*) larvae

Commercial maize:

Apply during the egg-laying until the very first eggs are hatching, but no later than when 5% of the plants show shot hole damage symptoms in the maize funnels, which are caused by small feeding larvae.

Sweetcorn:

Apply when egg laying starts, or with the first signs of shot hole damage symptoms on the maize funnels.

NB: Application must be done before larvae migrate to the stems of the maize plants and when larvae are smaller than the 2nd larval instar.

Do not apply CORAGEN® on maize against stalk borer while the tassel is encircled by the flag leaf.

Sorghum stem borer (*Chilo partellus*) larvae

Commercial maize:

Apply when eggs are found on 2,5% of the plants, or when 5% of the plants are showing shot hole damage symptoms on the maize funnels, which are caused by small feeding larvae.

Sweetcorn:

Apply when egg laying starts or with the first signs of shot hole damage symptoms on the maize funnels.

NB: Application must be done before larvae migrate to the stems of the maize plants and when larvae are smaller than the 2nd larval instar.

Do not apply CORAGEN® on maize against stalk borer whilst the tassel is encircled by the flag leaf.

African bollworm (*Helicoverpa armigera*) larvae

Funnel infestation:

Apply as for stalk borer (see notes above).

Cob infestation:

Apply when first larvae are observed on the beard (silk) during cob formation. Larvae that are already deep within the beard or have migrated into the cobs will not be controlled.

Fall armyworm (*Spodoptera frugiperda*) larvae

Apply at the beginning of infestation and at the first signs of damage, when no more than 5% of the plants have symptoms of scraped leaves.

Application is NOT recommended for control of worms (larvae) larger than 1 cm.

NB: Application must be done before larvae migrate into the cobs of the maize plants. Larvae that are already deep within the beard or have migrated into the cobs will not be controlled.



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INSECTICIDES

MARSHAL® 48 EC

REGISTRATION N°	L3314, Act No. 36 of 1947
COMPOSITION	Carbosulfan (carbamate) 480 g/l, toxic
FORMULATION	A systemic insecticide and nematocide for the control of the pests mentioned on the crops listed.
IRAC GROUP	1 A
PACKAGING	4 x 5 l

PEST	DOSAGE	REMARKS
PREVENTIVE TREATMENT		
Nematodes <i>Protostrophus</i> (ground weevils) Leafhopper (Vector of Streak Virus Disease) False wire worms	40 ml / 100 m planting furrow in not less than 400 ml water	This treatment will only suppress black maize beetle and stalk borer.
All of the pests listed above, plus Black maize beetle and Stalk borer	50 ml / 100 m planting furrow in not less than 400 ml water	This treatment will control Stalk borer for up to 6 weeks.

PEST	DOSAGE	REMARKS
CORRECTIVE CONTROL		
<i>Protostrophus</i> (ground weevils)	10 ml in 2 l water / 100 m row	Apply MARSHAL® 48 EC when the first signs of infestation on the young seedlings are noticed. Ground weevils will only be killed after feeding – limited insect damage can therefore still occur after application to young plant.

PEST	DOSAGE	REMARKS
EARLY CORRECTIVE CONTROL		
Maize stalkborer (<i>Busseola fusca</i>) Sorghum stalk borer (<i>Chilo partellus</i>)	420 ml/ha + 80 ml/ha Fury 10 EW or + 50 ml/ha Sumi-Alpha 200 EC or + 50 ml/ha Sumi-Alpha 200 EW	For optimal efficacy apply MARSHAL® 48 EC in tank mix with a registered pyrethroid as an early corrective spray against young larvae. Treatment must be applied before the larvae enter the stalks otherwise control will be adversely affected. Do not apply to plants that are drought stressed. Systemic activity declines in mature plants. Only apply to plants that are actively growing and no later than the stage when the tassels/ears are enclosed by the flag leaf. Ground application: Apply as an early corrective treatment in 300 l/ha when young larvae are noticed and for stalk borer not later than when 10% of the plants show shot-hole damage. A second application 10 – 12 days later may be necessary when larvae are bigger than 10 mm or re-infestation occurs. Aerial application: As above. Apply in 30 – 40 l/ha.



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INSECTICIDES

STEWARD® 150 EC

REGISTRATION N°	L8435, Act No. 36 of 1947
COMPOSITION	Indoxacarb (Oxadiazine) 150 g/ℓ, harmful
FORMULATION	An emulsifiable concentrate stomach and contact insecticide for the control of various insect pests in several crops as indicated.
IRAC GROUP	22 A
PACKAGING	10 x 1 ℓ, 20 x 100 ml

PEST	DOSAGE/ha	REMARKS
Stalk borer (larvae) (<i>Busseola fusca</i>) Sorghum stem borer (larvae) (<i>Chilo partellus</i>) African bollworm (larvae) (<i>Helicoverpa armigera</i>)	300 ml/ha STEWARD® 150 EC + 0,5 ℓ/ha H&R Crop Oil OR 250 ml/ha STEWARD® 150 EC + 250 ml/ha cypermethrin + 0,5 ℓ/ha H&R Crop Oil	Apply in a minimum of 450 ℓ water per hectare. Apply over the funnel of the plants and ensure thorough coverage of the foliage. The absence of rain or irrigation within 3 days after application can lead to a decrease in control with STEWARD® 150 EC spray mixtures. Water after application is essential to wash the spray mixture into the funnel. Use the STEWARD® 150 EC plus cypermethrin mixture when hot, dry environmental conditions are prevalent. Under conditions of repeated infestation, apply STEWARD® 150 EC EC in a 10–14 day spray programme. Do not exceed the maximum of 2 STEWARD® 150 EC applications per season.
Fall armyworm (larvae) (<i>Spodoptera frugiperda</i>)	300 ml/ha	Apply at the beginning of infestation and at the first signs of damage, no more than when 5% of the plants are found scraped. Application is not recommended for control of worms (larvae) larger than 1 cm. Interval between applications: 7 days. Do not exceed the maximum of 2 STEWARD® 150 EC applications per season.



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INSECTICIDES

VANTEX® 60 CS

REGISTRATION N°	L7227, Act No. 36 of 1947
COMPOSITION	Gamma-cyhalothrin (pyrethroid) 60 g/ℓ, caution
FORMULATION	A capsule suspension contact and stomach insecticide for agricultural use in crops as indicated.
IRAC GROUP	3 A
PACKAGING	12 x 1 ℓ, 40 x 250 mℓ

PEST	DOSAGE	REMARKS
African bollworm (<i>Helicoverpa armigera</i>)	42 mℓ/ha	Apply in 250 - 500 ℓ water/ha depending on plant size. Scout fields at 7 day intervals from time of flowering and start spraying when infestation is noticed. Larvae should not be larger than 1 cm in length. Scout every 3 days after rain and spray if necessary.
Pink stalkborer (<i>Sesamia calamistis</i>)	0,4 mℓ / 100 m row	Apply directly into funnel. Start spraying 2 weeks after planting and repeat at 10 - 14 day intervals until the ears appear. Use in not less than 3 ℓ water / 100 m row.
Maize stalkborer (<i>Busseola fusca</i>) (First and second generation) Chilo stalkborer (<i>Chilo partellus</i>)	50 mℓ/ha	Treat before larvae enter stalks. Apply up to the stage when tassels are enclosed by the flag leaf. The first application must be made when 10 % of the plants show shothole damage. Apply in 3 L water / 100 m row. The spray must be directed into the funnel. When larvae are longer than 10 mm or a re-infestation occurs a second application may be necessary within 10 - 12 days after the first application.
Cutworm (<i>Agrotis spp.</i>)	30 mℓ/ha	Apply ONLY if the top 3 cm of soil is moist. Where high cutworm populations is expected (minimum tillage), monitor infestations for follow-up applications.



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FUNGICIDES

IMPACT® 250 SC

REGISTRATION N°	L9064, Act No. 36 of 1947
COMPOSITION	Flutriafol (triazole) 250 g/ℓ, caution
FORMULATION	A suspension concentrate systemic fungicide for the control of diseases as indicated in wheat, barley, maize, potatoes, soybeans and citrus.
IRAC GROUP	3
PACKAGING	5 ℓ

PEST	DOSAGE	REMARKS
Grey leaf spot (<i>Cercospora zeae-maydis</i>)	Aerial application: 0,625 ℓ / ha in 40 ℓ water	Start application before 5 % of the total leaf surface area shows disease symptoms OR before symptoms appear on any of the three leaves below the cob. If initial spray is applied within 3 weeks of pollination, a second spray may be necessary 3 - 4 weeks after the first spray. If initial spray is applied 3 weeks after pollination then a single spray will probably be sufficient.
Northern leaf blight (<i>Exserohilium turcicum</i>)	Ground application: 0,625 ℓ / ha in 300 ℓ water Aerial application: 0,625 ℓ / ha in 40 ℓ water	Start application as soon as weather conditions are favourable for the development of the disease or at the first signs of the disease. Repeat at 7 - 10 day intervals. Apply at least two consecutive applications and return to the preventive spray program followed previously. Ensure good coverage by using high water volumes. Do not apply IMPACT 250SC more than four times per season to the same crop i.e. two blocks of two consecutive applications each.



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FUNGICIDES

RIZA® GOLD 300 SC

REGISTRATION N°	L9312, Act No. 36 of 1947
COMPOSITION	Tebuconazole (triazole) 225 g/ℓ, Flutriafol (triazole) 75 g/ℓ, caution
FORMULATION	A suspension concentrate systemic fungicide for the control of diseases as indicated in wheat, barley, maize, and soybeans.
FRAC GROUP	3
PACKAGING	2 x 10 ℓ

DISEASE	DOSAGE	REMARKS
Grey leaf spot (<i>Cercospora zeae-maydis</i>)	Ground application: 1 ℓ/ha in 300 ℓ water Aerial application: 1,25 ℓ/ha in 40 ℓ water	Start application before 5 % of the total leaf surface area shows disease symptoms OR before symptoms appear on any of the three leaves below the cob. If initial spray is applied within 3 weeks of pollination, a second spray may be necessary 3 - 4 weeks after the first spray. If initial spray is applied 3 weeks after pollination then a single spray will probably be sufficient.
Northern leaf blight (<i>Exserohilium turcicum</i>) (<i>Helmintho-sporium</i>)	Ground application: 1 ℓ/ha in 300 ℓ water Aerial application: 1,25 ℓ/ha in 40 ℓ water	Start application as soon as 1 % of the total leaf surface area shows disease symptoms OR before symptoms appear on any of the five leaves below the cob. In this case, start application immediately irrespective the total leaf surface area infected. Repeat application 14 days later. Scouting should be done on a daily basis since the disease spreads rapidly under ideal weather conditions (Extended periods of wet plants due to rain or dew and moderate temperatures).

For more information please contact: FMC Chemicals (Pty) Ltd
PO Box 44, Postnet Menlyn, Waterkloof Glen, 0181, Republic of South Africa. Tel: +27 12 003 2938.

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