



LANCE

Targeted Defense Against Early Blight.

By defending your potato crop against yield robbing diseases such as early blight, LANCE™ Fungicide helps to maximize your crop production. Its completely new mode of action lets it move through the plant, protecting it against the onslaught of disease to enhance yield and marketability. Tank-mix LANCE with POLYRAM DF and get all-round protection against early & late blight.

How is Lance different?

LANCE is a systemic fungicide with a unique mode of action that delivers excellent disease control while providing an effective fungicide resistance management tool.



Photo Credit: BASF

LANCE works by preventing spore germination, mycelia growth and spore production. Optimum performance is obtained when used in a regular scheduled preventative spray program. Its unique mode of action means that even diseases that have developed resistance to other chemicals can be effectively controlled by LANCE.

LANCE protects plants against many diseases before the damage occurs. When applied at the beginning of the disease life cycle, spore germination is inhibited. LANCE Fungicide has additional effect against the mycelia growth and spore development.

LANCE fungicide provides superior control of early blight, resulting in better yields and quality.

Application Information

- First application when conditions favour disease, before symptoms appear @ 173 g/ha (70 g / acre)
- Continue at recommended intervals
- Begin application prior to disease development
- Always refer to the product label for complete application and handling instructions

Packaging 2 x 2.83 kg jugs (1 case = 80 acres)

Always refer to product labels for complete application and handling instructions.

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Polyram® 16D

Polyram® DF

HEADLINE™

BREAKING NEW GROUND™ IN POTATOES

Poast® Ultra

LANCE™

ACROBAT 50WP

fungicide

Power yield

For more information about the BASF family of potato products, call **ENGAGE AGRO** at 1-866-613-3336 or visit the BASF website at www.agsolutions.ca.



Potato

Protection Products

BASF provides your complete Potato Protection Package.

BASF
The Chemical Company

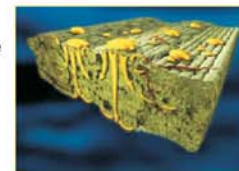


HEADLINE EC

Your Choice Against Both Early and Late Blight.

HEADLINE™ gives you the ability to control early and late blight with one application and no tank mix.

HEADLINE EC is a site specific strobilurin (group 11) fungicide that stops spores as they germinate, preventing them from infecting plant tissue. By interfering with cell respiration and the production of energy, HEADLINE EC fungicide also cause sensitive fungi to stop growing and die. Product applied to the surface of the leaf moves rapidly to both sides of the treated leaf to provide dual sided protection against further disease infestation. HEADLINE EC is bound tightly in the waxy layer of the leaf and is **extremely rain fast** shortly after application.



HEADLINE EC provided dual sided protection.

Application Information

- Begin before disease symptoms appear
- Application Rate 0.45-0.67 L/ha (0.18-0.28 L/ac) for both early and late blight
- Can be tank-mixed with POLYRAM DF & other registered contact fungicides
- Use higher rates of HEADLINE EC, shorter spray intervals and/or tank mixes under heavy disease pressure
- Do not exceed 6 applications per year, and in accordance with best management principles HEADLINE EC should not be applied more than once sequentially
- Always refer to the product label for complete application and handling instructions

Packaging Each case contains 2 x 6.5L jugs.

POLYRAM DF - HEADLINE's preferred tank-mix partner for late blight			
Treatment	Rate (g a.i./ha)	Average	Count
Untreated		82.7	15
HEADLINE	160	8.2	9
HEADLINE + POLYRAM	160 + 900	2.4	4
HEADLINE + Bravo	160 + 1125	3.8	5
POLYRAM	1800	6.7	9
Bravo* (tank-mix partner and industry standard)	1125	5.1	11

Mean of twenty BASF and Third-party trials (1998-2004)

POLYRAM DF

with ZINC

Blight Protection

Late blight is one of the most serious threats to potato yields. Many producers are starting their fungicide protection programs earlier to combat this critical disease.



POLYRAM[®] DF fungicide protects against late blight - even the A1 and A2 strains - as well as early blight. Because POLYRAM DF adheres strongly to the leaf surface, it is resistant to rain wash-off. The low-dust dry-flowable formulation mixes quickly and totally, and remains in suspension so it won't clog sprayer nozzles. POLYRAM DF can be air or ground applied.

Mixes Quickly



Contains ZINC

POLYRAM DF contains 14.4% zinc - significantly more than any other blight fungicide. Zinc is a key element in potato nutrition. It aids photosynthesis, keeping plants greener and increasing vigour, making them more resistant to disease.

Application Information

- Apply at 7-10 day intervals using 1.75 kg/ha (0.7 kg/ac) until plants cover the row.
- Increase the rate to 2.25 kg/ha (0.9 kg/ac) until top kill.
- When conditions favour infections (rain and cool weather or periods of heavy dew) always use the shorter interval regardless of the rate chosen.
- One 20kg POLYRAM DF package treats 22.2 to 28.6 acres depending on application rate.
- Always refer to the product label for complete application and handling instructions.

Packaging

20kg bag.

Total Protection Program

POLYRAM 16D Seed covering for control of scab. Use 1.75 kg/ha (0.7 kg/acre) on 7-10 intervals until plants cover row.

POLYRAM DF At row coverage spray on 5-7 day intervals using 2.25 kg/ha (0.9 kg/acre).

HEADLINE Make first application when conditions favour early or late blight - use before symptoms appear - subsequent applications at 5-14 days.

LANCE Apply when disease conditions favour early blight & rotate in with Polyram DF for superior blight control.

LANCE Continue application of Polyram DF & Lance at recommended intervals until burn down.

ACROBAT Use when blight is forecast or weather conditions indicate moderate to high risk of late blight in the area.

ACROBAT At season end, persistent soil activity of Acrobat 50WP improves protection against tuber blight.

BASF Provides Your Complete Potato Protection Package.

POLYRAM 16D



Seed piece treatment

POLYRAM 16D may be applied to uncut pieces for control of seed-borne common scab. If treated seed is cut after treatment, a second application is needed to control Fusarium seed piece decay.

Application Information

POLYRAM 16D Rate	Seed Quantity
0.45 - 0.65 kg	100 kg of seed

Packaged in a convenient 10 kg tear-tab box.

POLYRAM[®] 16D seed piece treatment is an economical potato seed piece treatment for the control of seed-borne common scab and Fusarium seed piece decay. It is an excellent drying agent for cut seed.

Before cutting, warm seed at 18-21C (65-70F)

Cut seed should be planted immediately. (If this cannot be done, store in containers such as crates or burlap bags stacked to permit air circulation.)

Hold at 10-16C (50-60F) and high relative humidity for 3-4 days.

Apply to entire surface of seed piece after cutting.

Always refer to the product label for complete application and handling instructions.

ACROBAT 50WP

The best late blight protection... just got better!

ACROBAT[®] 50WP brings you *systemic* protection against late blight and **now** it gives you the flexibility to pick the tank mix.

ACROBAT 50WP fungicide has excellent systemic and anti-sporulant and protectant activity that stops late blight *dead!*

Added with POLYRAM DF or another of the acceptable tank mixes ACROBAT 50WP becomes the premiere choice for control of early and late blight, and reduction of tuber blight.

Systemic Component: ACROBAT 50WP provides systemic and anti-sporulant activity that effectively breaks the disease cycle. A foliar application of ACROBAT moves up the treated plant stem, lining it with powerful blight protection that will not wash away. Treated leaves are protected even as they grow.

Unique Spore-killing Activity

Stops, contains and kills late blight spores, preventing the spread of blight between plants, fields and farms.

Controls All Strains of Blight

Protects your crop from early and late blight including the new, aggressive resistant A1 and A2 blight strains, when used in conjunction with POLYRAM DF or another labeled tank mix.

Application Information

- 450 g/ha (180 g/ac) maximum 3 applications /season.
- Apply at 7-10 day intervals under low to moderate risk of blight.
- Apply at 5-7 day intervals under high risk of blight.
- ACROBAT 50WP can be applied up to 4 days pre-harvest.
- Always refer to the product label for complete application and handling instructions.



Late blight leaf symptoms