

Ascend[®] SL

Plant Growth Regulator

Registration Number: 2015088A Fertilizers Act

GUARANTEED MINIMUM ANALYSIS

Cytokinin, as Kinetin	0.090%
Gibberellic Acid	0.030%
Indole butyric acid	0.045%

KEEP OUT OF REACH OF CHILDREN

STORE PRODUCT ABOVE 4°C (40°F)

SHAKE WELL BEFORE USING

PRECAUTIONARY STATEMENTS:

Storage: Store away from children, feed and food products.

Disposal: Dispose of contents/container in accordance with Federal, provincial and municipal regulations.

Manufactured for: Winfield Solutions, LLC, P.O. Box 64589, St. Paul, MN 55164 ~ USA

Net Volume:

Net Weight:

Lot No. _____

1/0901/5

DIRECTIONS FOR USE

Apply ASCEND SL by ground or air. If applied by air, use 30 to 50 liters of water per hectare. If applied by ground on vegetable or field crops, use 50 to 235 liters of water per hectare.

- Do not re-enter or allow re-entry into treated areas until 12 hours after application.
- Do not allow rinse water to contaminate streams, ponds and lakes, as water life may be endangered.
- For terrestrial uses, do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark.
- Do not apply this product through any irrigation system.

ALFALFA: Established

1st Application - Apply 248 ml per hectare upon dormancy break. Apply when sufficient re-growth is present.

2nd Application - Apply 248 ml per hectare after each cutting. Apply when sufficient re-growth is present.

ALFALFA: Newly Seeded

1st Application - Apply 248 ml per hectare when seedling alfalfa is in the 3rd to 4th trifoliate stage.

BEANS AND PEAS:

1st Application - Apply 248 ml per hectare when the first trifoliate is unfolded.

2nd Application - Apply 248 ml per hectare 2 weeks after the first application.

3rd Application - Apply 248 ml per hectare at first bloom.

CANOLA:

1st Application - Apply 248 ml per hectare between the rosette stage and bolting.

2nd Application - Apply 248 ml per hectare at 20 percent bloom.

3rd Application - Apply 248 ml per hectare at early pod fill.

FIELD CORN*: Apply one, two or all of the following applications.

Apply 343 to 460 ml per hectare in-furrow or alternatively 5 cm beside and 5 cm below seed or alternatively 8 cm below the seed with a strip till machine at planting.

AND/OR

Apply 489 to 788 ml per hectare at the 3 to 10 leaf stage.

AND/OR

Apply 489 ml per hectare between initial silking and brown silk.

*For field corn grown for seed, apply 343 to 460 ml per hectare in-furrow or alternatively 5 cm beside and 5 cm below seed or alternatively 8 cm below the seed with a strip till machine at planting.

NOTE: If seed has been treated with ASCEND SL, do not apply ASCEND SL as an in-furrow, band, or side dress application.

SWEET CORN AND POPCORN: Apply one, two, or all of the following applications.

Apply 343 to 460 ml per hectare in-furrow or alternatively 5 cm beside and 5 cm below seed or alternatively 8 cm below the seed with a strip till machine at planting.

AND/OR

Apply 248 ml per hectare when the plants are in the 4-6 leaf stage.

AND/OR

Apply 248 ml per hectare at the 8-10 leaf stage.

NOTE: If seed has been treated with ASCEND SL, do not apply ASCEND SL as an in-furrow, band, side dress or mark out application.

FLAX:

1st Application - Apply 248 ml per hectare when the plant is 5-10 cm tall.

2nd Application - Apply an additional 248 ml per hectare 2 to 3 weeks later.

GRAIN SORGHUM:

1st Application - Apply 343 to 460 ml per hectare in-furrow or alternatively 5 cm beside and 5 cm below seed or alternatively 8 cm below the seed with a strip till machine at planting.

2nd Application - Apply 248 ml per hectare at the 3-5 leaf stage.

3rd Application - Apply 248 ml per hectare after the 8th but before the 12th leaf stage.

NOTE: If seed has been treated with ASCEND SL, do not apply Ascend SL as an in-furrow, band, side dress or mark out application.

PEANUTS:

1st Application - Apply 248 ml per hectare at the 3-5 leaflet stage.

2nd Application - Apply 248 ml per hectare at early flowering.

3rd Application - Apply 248 ml per hectare at initial pegging.

4th Application - Apply 365 ml per hectare during early pod fill.

SOYBEANS: Apply according to one of the following schedules.

- 1) Apply 248 ml per hectare at the 3-5 trifoliolate leaf stage. Apply a second application of 248 ml per hectare between R1 and R3.
- 2) If the first application is missed, apply 489 ml per hectare between R1 and R3.

SUGARBEETS:

In-Furrow or Mark Out:

Apply 343 to 460 ml per hectare in-furrow or mark out.

Foliar program:

1st Application - Apply 248 ml per hectare between the 2nd and 10th true leaf stage.

2nd Application - Apply 248 ml per hectare 2-3 weeks after the first application.

NOTE: If seed has been treated with ASCEND SL, do not apply ASCEND SL as an in-furrow, band, side dress or mark out application.

SUNFLOWERS:

Apply 248 to 307 ml per hectare in-furrow at planting.

AND/OR

Apply 248 ml per hectare at 4-true leaves.

AND/OR

Apply an additional 248 ml per hectare two to three weeks later.

WHEAT, BARLEY, OATS, AND RYE: Apply according to one of the following schedules.

- 1) Apply 343 to 460 ml per hectare in-furrow at planting.

OR

- 2) If no at-planting application, apply 248 ml per hectare prior to jointing. Apply 248 ml per hectare at the flag leaf stage.

NOTE: If seed has been treated with ASCEND SL, do not apply ASCEND SL as an in-furrow, band, side dress or mark out application.

WHITE OR RED POTATOES:

Apply 343 to 460 ml per hectare in a band, mark out, side dress or in-furrow application before or after planting.

NOTE: If seed has been treated with ASCEND SL, do not apply ASCEND SL as an in-furrow, band, side dress or mark out application.

For foliar applications, apply according to one of the following schedules:

To increase tuber size number and promote better rooting:

1st Application - Apply 248 ml per hectare at tuber initiation.

2nd Application - Apply 248 ml per hectare 2-3 weeks after the first application. The last application should be during tuber bulking.

OR

To enhance tuber size and uniformity:

1st Application - Apply 248 ml per hectare at tuber initiation.

2nd Application - Apply 248 ml per hectare at the onset of tuber bulking.

SWEET POTATOES AND YAMS:

1st Application - Apply 15 to 29 ml per hectare on a band just wide enough to cover all the plants 7 - 14 days after transplanting.

2nd Application - Apply 36.5 ml per hectare in a band as above at 28 days after transplanting.

3rd Application - Apply 3 ml per week along with a foliar fertilizer such as 15-5-5 at the rate of 2.3 liters per hectare. Continue this program on a weekly basis until the potatoes have desirable harvest size.

NOTE: If seed has been treated with ASCEND SL, do not apply ASCEND SL as an in-furrow, band, side dress or mark out application.

SEED TREATMENT

SPECIAL NOTE FOR ALL DIRECT SEEDED CROPS

Acting through its unique combination of plant growth regulators, ASCEND SL is a ready-to-use seed dressing that aids in enhancing germination and early season root and top growth.

Use ASCEND SL at the rate of 31 – 124 ml per 45.4 kg of seed. Use the higher rate when conditions favor poor germination such as cool soil temperatures or low germination seed. Sufficient water needs to be added to insure uniform coverage. Improper coverage will minimize product performance.

SEED TYPES

Alfalfa	Corn	Peanuts	Sorghum	Sunflowers
Barley	Dry Beans	Peas	Soybeans	Wheat
Canola	Oats	Rye	Sugarbeets	

NOTE: If seed has been treated with ASCEND SL, do not apply ASCEND SL as an in-furrow, band, side dress or mark out application.

RED OR WHITE POTATOES: Choose one of the following methods:

Dip potato seed pieces in a solution of 1 part ASCEND SL to 355 parts water for 30 to 60 seconds or spray seed pieces with the above solution so that seed pieces are covered and thoroughly wetted. ASCEND SL can be used with a fungicide program.

OR

Use 14.8 to 31 ml (volumetric measurement), which equals 15.8 to 32.2 grams on a dry basis of ASCEND SL per 45.4 kg of cut seed pieces. Treat seed pieces immediately after they have been cut. Apply so that the cut seed pieces are

thoroughly covered. ASCEND SL can be mixed with other seed treatments and carriers such as fir and alder bark to insure uniform coverage.

NOTE: If seed has been treated with ASCEND SL, do not apply ASCEND SL as an in-furrow, band, side dress or mark out application.

SWEET POTATOES AND YAMS:

Dip potato slips in a solution of 1 part ASCEND SL to 355 parts water for 30 to 60 seconds. ASCEND SL can be used with a fungicide program.

NOTE: If seed has been treated with ASCEND SL, do not apply ASCEND SL as an in-furrow, band, side dress or mark out application.

MECHANICAL SEED TREATERS

Apply the appropriate amount of ASCEND SL to a premeasured amount of seed and mix thoroughly until all seed are uniformly coated. Seed can be treated in this manner and stored until used for planting. Do not use treated seed for food, feed or oil purposes. An approved dye must be added to distinguish ASCEND SL treated seed and prevent inadvertent use for food, feed or oil purposes. Seed treated with this product must be labeled in accordance with all applicable requirements of the Federal seed law.

BROADCAST SEED APPLICATION

Partially fill broadcast spreader with a premeasured amount of seed. Apply the appropriate amount of ASCEND SL diluted with water on the surface of the seed. Mix with a stick or paddle until all seed are coated. Repeat procedure until broadcast spreader is filled. DO NOT USE TREATED SEED FOR FOOD, FEED OR OIL PURPOSES. Treat only those seeds needed for immediate use and planting. Do not store excess treated seed beyond planting time.

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