



More and Better Crops,
with Stoller's® BIO-FORGE™

STOLLER® brand Products

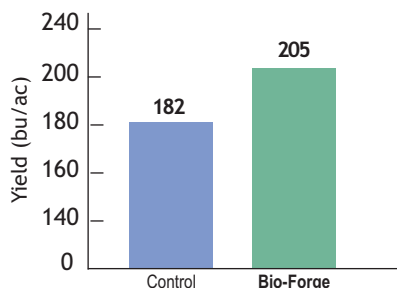
Overcoming Problems With Late-Planted Corn

STOLLER® brand products optimize plant genetic expression by helping to unleash the natural power of plants, bolstering tolerance to adverse weather, and other stresses, increasing marketable yield, and profit.

BIO-FORGE™ is composed primarily of N,N'-diformyl urea.

Bio-Forge is an antioxidant which allows the late planted corn to act more normally during periods of climactic stress. This is particularly important for viable pollination and for the storage of sugar in the stalk, which are the primary sugars that fill out the ear and ear kernels.

Bio-Forge™ On Drought-Stressed Corn
University of Illinois



StollerUSA

Unleashing The Power Of Plants

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Problems With Late Planted Corn

Corn, planted late or replanted due to flooded fields, produces less profit for farmers due to the stresses affecting how the corn grows and its vulnerability to these stresses.

1. When any hybrid is planted in warm soil, it tends to grow like the shorter season variety grows. The leaves emerge more quickly than the same variety planted in cold soil. There is less storage of sugars in the corn stalk. It is generally a smaller ear that emerges and develops. This will always limit yield as seen with early maturing varieties that normally have lower yields than later maturing varieties.

2. The late planted corn has more of an opportunity to grow through the season where stress can affect the yields more significantly than earlier planted corn.

3. The later planted corn will normally pollinate during the hotter days of the summer. This decreases the viability of the pollen and will limit the number of grains per ear that survive after pollination.

4. The plants will have greater exposure to the damage from early frost. The early frost will reduce the number of days for grain filling and affect grain dry down.

5. The later planted corn will be exposed to fewer days of growing weather and it will generally be harvested at a higher moisture. Due to the price of natural gas, the dry down effect and costs will be substantially greater than it would be for earlier planted corn.

Bio-Forge Benefits:

- Bio-Forge can be planted at any stage of growth on corn and is as effective on soybeans at the R2-R4 stage
- Stress resistance
- Can be applied with ground equipment
- Encourages downward root growth in flooded conditions
- Recovery from herbicide injury or drift including glyphosate
- Enhanced pollination, flowering and kernel/pod count
- Enhanced yield and quality

Application Timing

A single application of Bio-Forge to the plant foliage (anytime during the growing season) will help protect the late planted corn against all of the factors listed here. The application of Bio-Forge to late planted corn should be completed by the time the corn achieves the 7-leaf stage of growth. If dry weather is a problem, apply Bio-Forge immediately.

Bio-Forge application rate: 1.0 pint per acre.

