



KERNZA® PERENNIAL GRAIN

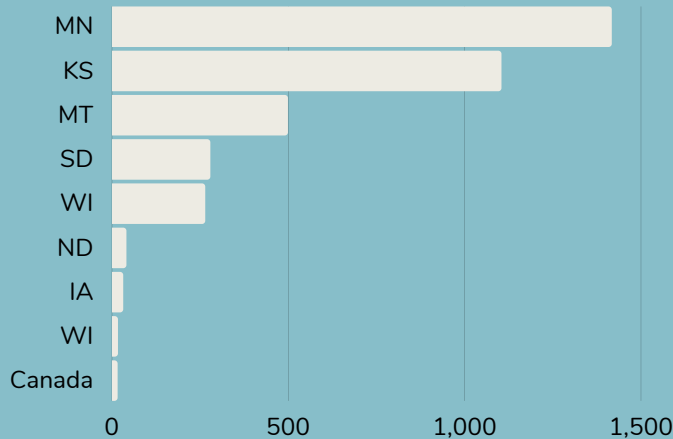
2021 PLANTING & HARVEST DATA

Kernza® is a trademark, registered by The Land Institute. A trademark helps ensure that growers are producing a grain that is truly perennial and supports their livelihoods.

2021 TOTAL ACRES OF KERNZA®

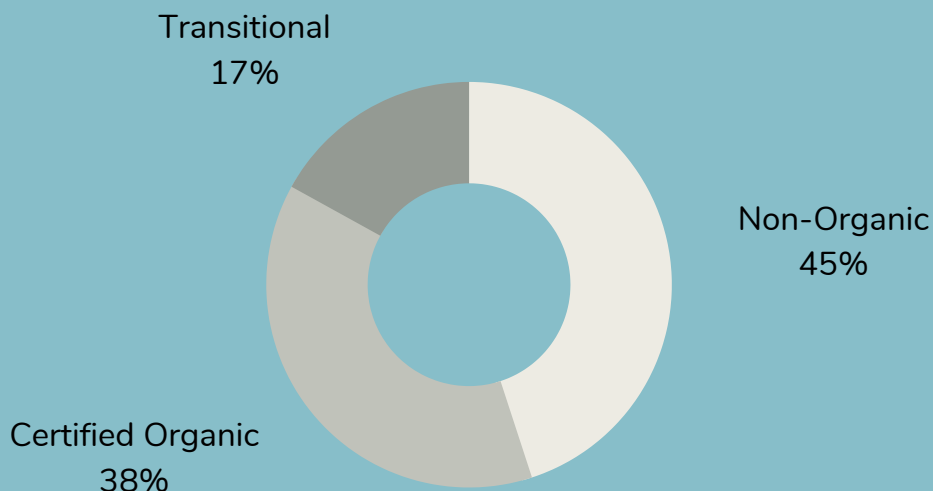
3,957 active acres

Inspired by the promise of perennial grains, there are now 52 growers who have signed trademark licenses to grow and sell Kernza® perennial grain. Of those growers, 36 have acres in active production.

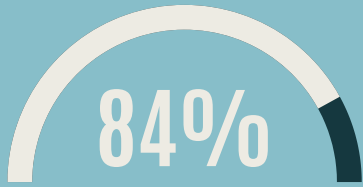


This chart shows the total number of acres in each state, plus nearly 20 in Canada. This does not include research plots, only production acres.

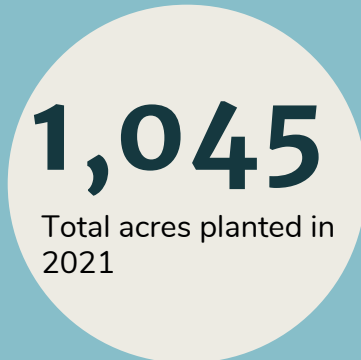
ACTIVE ACRES



2021 NEW PLANTING DATA



84% of growers
planted in the fall

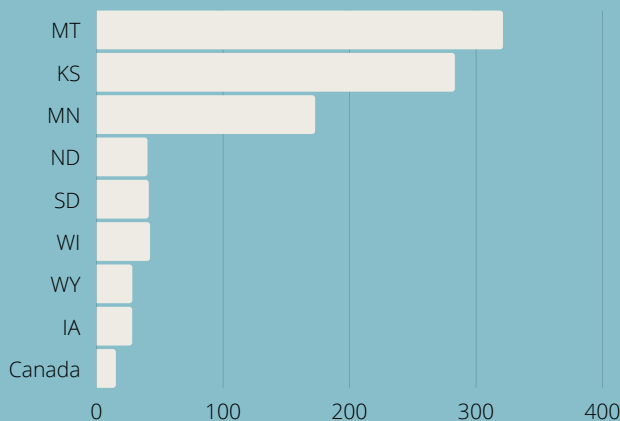


Total acres planted in
2021



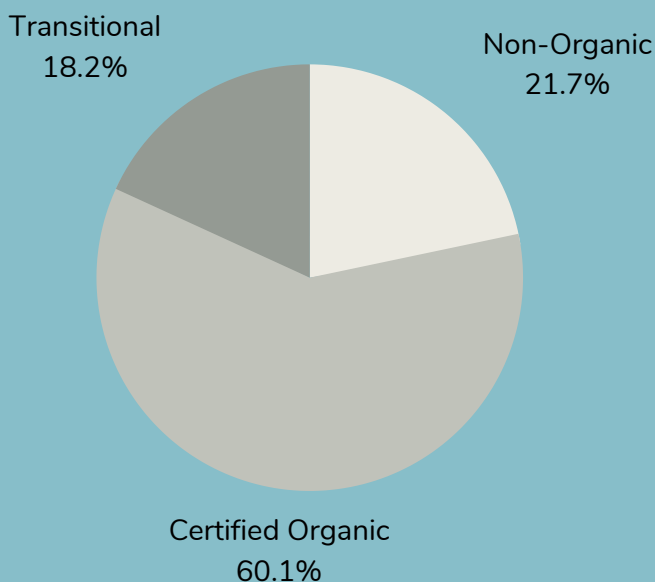
16% of growers
planted in the
spring

The majority of acres were planted in September, October, and August.
Most spring plantings occurred in May.



The geographic distribution for new 2021 plantings reflects the emerging Kernza® hubs in Kansas, Minnesota, and Montana.

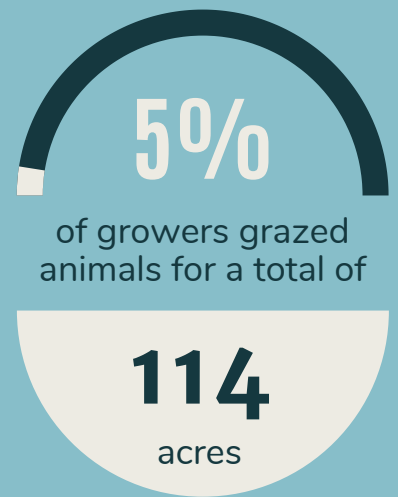
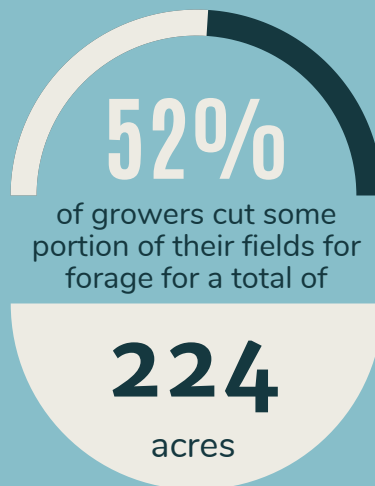
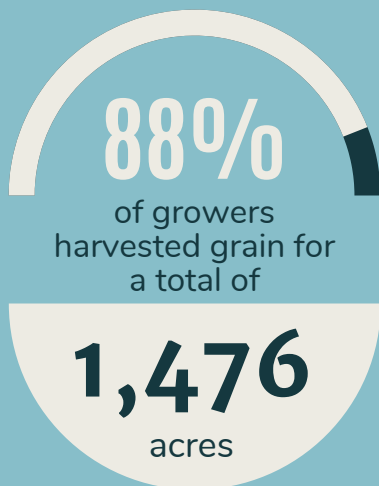
2021 NEWLY PLANTED ACRES



Newly planted acres are more likely to be organic than Kernza® acres planted in past years. In addition to this trend towards increased organic production, many growers identify as regenerative and one has achieved Regenerative Organic Certification (ROC). We expect to see additional acres registered as ROC in the future.

2021 HARVEST DATA

Just over half of eligible acres were harvested for grain. Other acres did not produce grain because they were spring planted or because growers chose to harvest the grass for forage. Growers are able to do multiple things with their fields, and have options that don't exist with other grain crops.



603,684
Pounds of grain
harvested

Despite drought conditions in many of the primary production areas, the data shows average yields of 409 pounds of Kernza® perennial grain per acre. Compared to earlier estimates of 100-200 pounds per acre, these yields are significantly improved. With ongoing improvements from the Kernza breeding programs, we expect to see yields increase in the coming years.





When Natural Systems Agriculture is fully developed and implemented, we will see farmers and scientists around the world working together with nature to sustain and rebuild soil, communities, and economies. Join us on the journey.

Hope, Rooted in Science.

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2021 KERNZA® GROWER
SURVEY RESULTS

