

Improving your process · Enhancing your products · Increasing your profits

What is quality assured seed?

Quality assured (QA) seed has met standards designed to preserve the purity and identity of a crop variety. Standards, similar to those applied in seed certification, enable a company to produce and market seed according to sound quality management practices.

How is seed quality assured?

The quality assurance process includes field inspections, laboratory testing, audits of production records, and on-site evaluations of conditioning and treatment facilities. Seed meeting all requirements is eligible to be labeled with the AOSCA QA logo.

Who produces quality assured seed?

Seed producers of all crop types may use a QA program to access a complete service for seed sold as varieties, hybrids, brands, or blends.



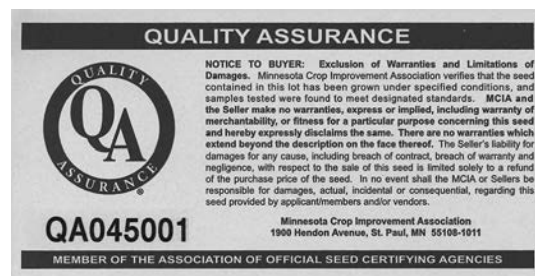
QA programs can be customized to support an existing quality management system or as part of an AOSCA program.

Why buy quality assured seed?

Quality assured seed provides assurance to seed buyers that the seed is of known purity and quality as verified by an unbiased third party.

What should I look for?

Seed meeting QA standards may bear a quality assurance label or be marked with a QA logo. Buyers of bulk quality assured seed may be provided with a QA Bulk Sales Certificate.



For more information, call MCIA or visit our web site at www.mncia.org

MINNESOTA CROP IMPROVEMENT ASSOCIATION
1900 HENDON AVE, SAINT PAUL MN 55108
800-510-6242 · 612-625-7766 · mncia@mncia.org



**MINNESOTA CROP
IMPROVEMENT ASSOCIATION**

Fast Facts

- ▶ MCIA certifies the seed of over **20** agronomic crops
- ▶ MCIA certifies the genetic origin of the seed of over **150** native species
- ▶ Minnesota farmers produce over **140,000** acres of certified seed annually
- ▶ MCIA approves approximately **180** seed facilities, which use specialized equipment to clean all kinds of crops
- ▶ MCIA certifies more than **500** organic operations in the Upper Midwest
- ▶ Each year, MCIA certifies **millions** of pounds of perennial ryegrass, tall fescue, and Kentucky bluegrass seed, grasses that are common in lawns.

www.mncia.org

**Improving your process.
Enhancing your products.
Increasing your profits.**

SOYBEANS

NAME, CITY

TELEPHONE

BG9071E3 Brand

Becker County

Hein Farms, Inc

Audubon 218-439-6621

HC-901 Brand: Relative maturity 0.7. Non-GMO soybean.

ND-Cass County

HC International, Inc

Fargo 701-850-0340



- ✓ Viability Testing: Germination, TZ, Vigor
- ✓ Purity Testing: Physical, Noxious
- ✓ Seed Count, Moisture and Test Weight, Protein

FOR A COMPLETE LIST OF AVAILABLE TESTS, VISIT www.mncia.org.



MINNESOTA CROP IMPROVEMENT ASSOCIATION
612-625-7766 ■ 800-510-6242

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- Very strong straw
- Improved protein over LCS Trigger

- Blockbuster yield, year after year
- Top yielder in MN and ND state trials
- Very strong straw

- National Wheat Yield Contest winner in SD
- Excellent protein
- Very early maturity, quick emergence

- Get to market first with very early maturity
- Superior disease package
- Yield-protein balance



LCS Hammer AX

Smash grassy weeds

- High-yielding CoAXium line
- Balanced protein
- Early maturing
- Good test weight

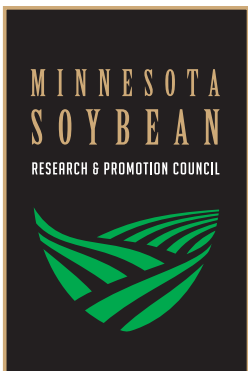
Plan for a bin-busting crop

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Minnesota's soybean farmers invest check-off dollars in research to help producers better manage pests (disease, weed and insects), enhance environmental stewardship, optimize soybean quality and increase soybean yield. By supporting innovative research, the MSR&PC is doing its part to maintain, and increase, producer profitability. Want to learn more? Visit us at mnsoybean.org



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IT STARTS WITH THE SEED!

WHOLESALE SEED & EROSION PRODUCTS



Since 1932, the Ramy family has provided the upper midwest with some of the highest quality seed materials available anywhere and we always will. We are here as a partner, not just a supplier, because we know it's your success that will allow our success.

Our product line continues to expand with a focus on materials that insure our seed stays where you put it, establishes quickly, gets you paid, provides you referrals and keeps you coming back for more!

BEE & LOW INPUT LAWN



GOLF - TPC TWIN CITIES



NATIVE



SOD



MnDOT



FORAGE & WILDLIFE



To provide the highest quality seed and erosion control products to our customers at the best value price. In a rapidly evolving market, our staff and industry partners will consult, problem solve, educate and ultimately deliver the solutions that insure our customers success.



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& SEED ASSOCIATION**

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ND Treasure

ND Heron

ND 21008GT20

ND Stanley

ND Carson

ND Spilde

SeCan

Canada's Seed Partner

NEW VARIETIES

CDC Rowland CDC Fraser AAC Stronghold
AAC Douglas AAC Starbuck CDC Defy

AAC = Agriculture and Agri-Food Canada

CDC = Crop Development Centre, University of Saskatchewan



ABI Cardinal & Tradition

SEARCH ndcropimprovement.com FOR MORE VARIETIES



ENCOURAGING THE USE OF QUALITY SEED



UNIVERSITY OF MINNESOTA
Driven to Discover®

WHEAT HARD RED SPRING VARIETIES WITH PROVEN RESULTS



VARIETIES THAT COMBINE YIELD, QUALITY AND PERFORMANCE

MN-ROTHSAY

Excellent yields
Very good straw strength
Above average protein
Good pre-harvest sprout rating

MN-TORGY

High yielding
Very good protein
Good scab and BLS resistance
Well adapted to MN, ND and SD

OTHER UNIVERSITY OF MINNESOTA DEVELOPED VARIETIES

BOLLES

Superior protein
High baking quality

LINKERT

Very strong straw
High protein

SHELLY

Very high yielding
Good pre-harvest sprout rating

MN-WASHBURN

Good yield
Strong straw


Visit the Minnesota Agricultural Experiment Station at maes.umn.edu or check your state or local variety trials. For a list of seed producers, visit the Minnesota Crop Improvement Association at mncia.org or call 1-800-510-6242.

The University of Minnesota is an equal opportunity educator and employer.

We know you're busy farming and raising a family, so we're at the table when you can't be. Advocating for corn farmers and reaching out to consumers, policymakers, and more. Our strength is in our members.

Join us.

**Become a member at
mncorn.org.**

A black office chair with a silver base and casters is positioned in the center of a field of harvested, dry corn stalks. The chair is facing away from the viewer towards the horizon. The background shows a sunset or sunrise over a field of corn, with a yellow and orange sky and a dark horizon line. The foreground is filled with the dry, brown stalks of the corn crop.

**We've got
your seat.**

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UNITED STATES

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- ❑ Superior straw strength and medium-late maturity
- ❑ Widely adapted—impressive performance across the Northern Plains
- ❑ High protein type with high yield potential for maximum economic returns
- ❑ Very good bacterial leaf streak tolerance

To book seed, call your local AgriPro® Associate.

A list of AgriPro Associates is available at AgriProWheat.com.

Scan to find your local
AgriPro Associate

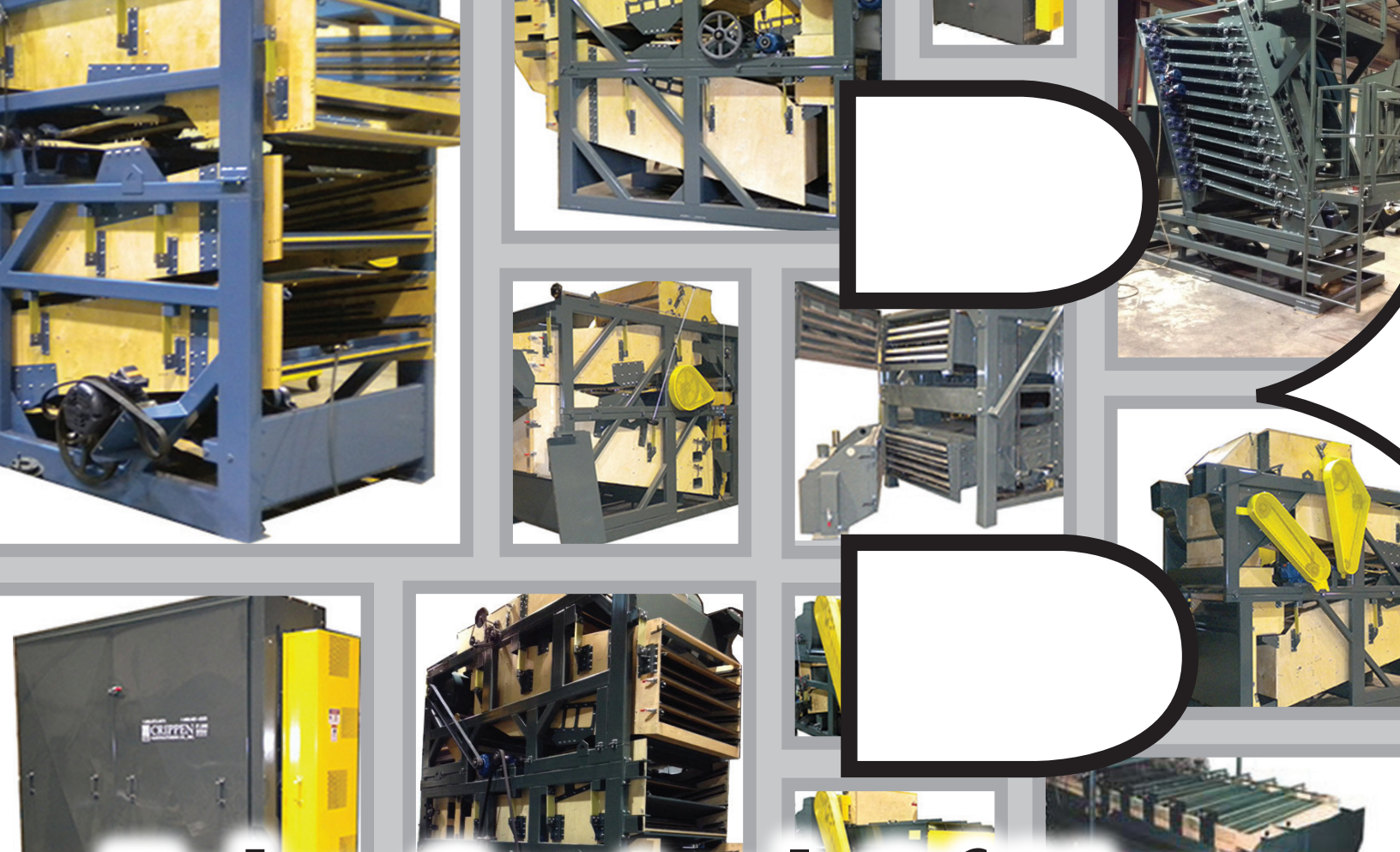


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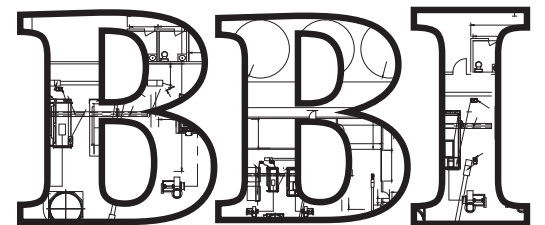
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Certified Seed Doesn't Cost...

It Pays!

▲ PROVEN QUALITY

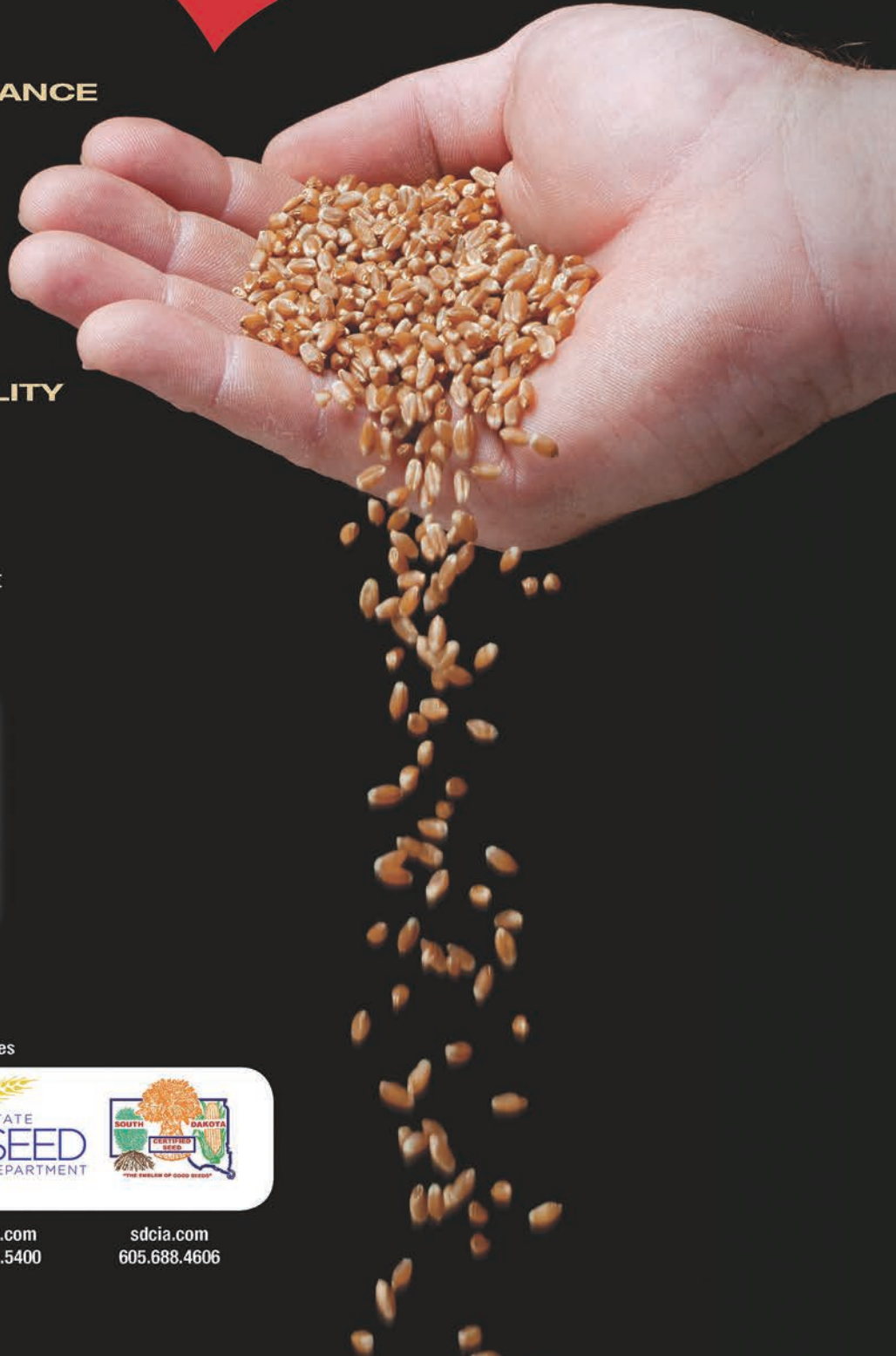
- High germination
- Fewer weed seeds
- Less inert matter
- Less seed-borne disease
- Known varieties

▲ SUPERIOR PERFORMANCE

- Better plantability
- Rapid stand establishment
- More uniform maturity
- Easier harvest
- Less dockage

▲ GREATER PROFITABILITY

- Newest genetics
- Less weed control costs
- Less disease control costs
- Greater yield per acre
- More return on your investment



CERTIFIED SEED

Insist on Certified Seed!



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Members of Association of Official Seed Certifying Agencies



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