

Brad Hansen

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Brad is a producer/farmer, seed conditioner, and seed salesman who is a 4th generation farmer on his family farm that was homesteaded in 1886. He was selected Nebraska Wheat Growers Association Man of the Year 1992 and 1996 and served 7 years on the Nebraska Environmental Trust Board. He has 3 children, Hans 10, Blake 8, Emily 4 and enjoys camping, fishing, traveling.

- Number of years in no-till – 10
- Geographic/moisture regime (annual precipitation/irrigation)–15 inches rainfall annually, Center Pivots
- Soils under no-till (list) – Silty loam, sandy loam
- Crop rotations (list) –corn-peas-wheat, millet-peas, wheat, tritical-peas,wheat
- Why did you choose no-till?
Moisture retention, residue management, soil management, weed control
- What successes have you experienced under no-till?
Increased moisture retention, less expenses, increased soil fertility, increased organic material
- What do you see as your greatest challenge in continuing under no-till over the next 3-5 years? Today, the drought.

NOTILL FIELD PEAS FOR THE HIGH PLAINS

NEW LEGUME TO DIVERSIFY YOUR ROTATION

BENEFITS OF A COOL SEASON LEGUME (PEAS, LENTILS ECT)

- ***EARLY SEEDED, SHORT SEASON(TO AVOID HIGH TEMPS AND DRY SEASON)***
- ***EARLY HARVEST FOR PLANTING WINTER WHEAT***
- ***BEST ROTATIONAL CROP TO MAXIMIZE THE YIELDS AND QUALITY OF THE FOLLOWING CROP***
- ***HIGHEST NITROGEN FIXING ANNUAL LEGUME CROP (REDUCE YOUR FERTILIZER COST BY 20-30%)***
- ***LOW WATER USER***
- ***EXCELLENT FARM PROGRAM SUPPORT (LDP AND INSURANCE PROGRAM)***
- ***GOOD WEED CONTROL OPTIONS FOR NO-TILL***
- ***GREAT MARKETING POTENTIAL FOR FOOD AND FEED IN THIS REGION***

TYPES OF PEAS

- ***YELLOW PEAS***
- ***GREEN PEAS***
- ***FEED PEAS***
- ***FORAGE PEAS***
- ***WINTER PEAS***
- ***OTHER (CHICKPEAS)***

**PRODUCING HUMAN EDIBLE PEAS AND CHICKPEAS IN THE PANHANDLE OF NEBRASKA
FIELD PEAS AT BLOOM
LAND SELECTION**

- *AVOID HEAVY CLAY OR POORLY DRAINED SOILS OR SALTY SOILS (THERE IS NO PH RESTRICTION)*
- *IRRIGATION WILL DOUBLE YIELDS*
- *LOW NITROGEN SOILS*
- *AVOID FIELDS WITH HERBICIDE RESIDUES (CHECK WITH YOUR LOCAL DEALER)*
- *SELECT FIELDS WITH HIGH RESIDUES (PEAS LIKE COOL SOILS)*

SEEDING

- *SEED EARLY AS SOON AS YOU CAN WITHOUT CAUSING COMPACTION*
- *ANY NO-TILL DRILL WILL SEED PEAS (CHECK FOR SEED DAMAGE AND ADJUST ACCORDINGLY)*
- *SEEDING RATES WILL VARY BY SEED SIZE BUT SHOOT FOR 300,000 PLS*
- *SEED DEEP, AT LEAST 1 INCH INTO MOISTURE (PEAS WIL COME FROM 3 INCHES PLUS)*
- *PEAS SHOULD BE PACKED FIRMLY DUE TO THERE SIZE*

INOCULATING

- *INOCULATE SEED WITH THE PROPER STRAIN OF BACTERIA (PEAS REQUIRE A DIFFERENT BACTERIA THEN SOYBEANS ECT)*
- *SELECT THE BEST CARRIER FOR YOUR OPERATION (GRANULAR,PEAT BASED OR LIQUID)*
- *STORE AND HANDLE THESE LIVE PRODUCTS CAREFULLY TO ENSURE HIGH POTENCY (KEEP OUT OF HEAT AND SUNLIGHT)*
- *VIRGIN SOILS WILL REQUIRE HIGHER RATES*

NODULES WITH PROPER INOCULANT

WEED CONTROL

- *BELOW IS A LIST OF HERBICIDES. BE SURE TO CONSULT YOUR LOCAL DEALERS FOR SPECIFIC RECOMMENDATIONS:*
- *GRASS HERBICIDES---POAST, SELECT, ASSURE.*
- *PREEMERGENCE---PREPLANT PROWL,PURSUIT,SPARTAN, TREFLAN, SONALAN*
- *POST---PURSUIT, RAPTOR, BASAGRAN, SENCOR.*

HARVESTING AND STORAGE

- *EARLY HARVEST 90 DAYS AFTER SEEDING*
- *STRAIGHT CUT NEW UPRIGHT VARIETIES*
- *TIMING CRITICAL TO REDUCE SHATTERING*
- *START HARVEST AT 20% MOISTURE AND AIR DRY TO 14 %*
- *HANDLE GENTLY TO REDUCE SPLITTING THE SEED*
- *SLOW SPEED CYLINDER AND HIGH AIR VOLUMES REQUIRED*

VARIETIES

- *YELLOW PEAS----HIGHER YIELDING, LOWER PRICE, EASIER TO GET QUALITY*
- *GREEN PEAS---LOWER YIELDING, HIGHER PRICE HARDER TO GE HIGH QUALITY*

YELLOW PEAS

SW SALUTE “THE YIELD KING”

- *S.W. SALUTE PVP SVALOF “MR. CONSISTENT”*
- *A small seeded, medium maturity, yellow pea. This “new” pea, in three years of testing, has been consistent in its high yields across all sites. This year it was again our top yielder at all sites tested except for Minot where*

it has the highest 3 yr. av. Very high yield and powdery mildew resistance should make it a favorite in the drier climates.

- **ADVANTAGES-***Very high yielding in drier climates, mildew resistant, small seed. Does not stand as well as CARNEVAL but better than MOZART.*
- **ADAPTED AREA-***Drier areas in Western U.S. where it will stand better. Performed the best at our no-till site. Treat your seed for root disease.*

CARNEVAL still doing well

- **CARNEVAL PVP SVALOF “THE STRONGMAN”**
- *A small seeded, medium late maturing yellow pea. CARNEVAL has been very yield stable in drier areas with its long flowering period. Good stand ability with good food quality makes this variety hard to replace.*
- **ADVANTAGES-***Partial resistance to powdery mildew, small seed, easy harvest and stable yield.*
- **ADAPTED AREA-***Adapted to all areas. Drier areas of western U.S takes advantage of its yield stability. Seeded later or as a second variety in northern N.D. & Minn. Treat your seed and handle this pea gently to reduce seed coat damage.*

DS-ADMIRAL “THE NEW FLAGSHIP”

- **DS-ADMIRAL PVP DANESCO “MR. EXCITEMENT”**
- *A “NEW” medium size seeded, early maturing, yellow pea with powdery mildew resistance and excellent stand ability. This exciting pea is also one of top yielding peas in all environments in the U.S. and Canada. Its excellent food qualities (low green count, lack of seed coat dimpling, round seed) should make it the standard for the processors.*
- **ADVANTAGES-***Here is the total package, tops in seed quality, ease of harvest, and yield with powdery mildew resistance.*
- **ADAPTED AREA-** *It will do best in the high yield areas or under no-till in the drier areas. Treat the seed and seed early for highest yields.*

GREEN PEAS

MAJORET- The green pea standard

- **MAJORET PVP SVALOF “THE PEARL”**
- *A medium seeded, medium maturing, green pea. This is the flagship of the green peas. MAJORET is best known for its consistent yield, good stand ability and high quality. This older variety has become the best known green pea in the food trade with its dark green, round, smooth seed.. Its tough seed coats and seed size makes it easy to establish consistent stands in dryer climates. A longer flowering period makes it yield stable though not the highest yielder in the good years.*
- **ADVANTAGES:**
- *-Stable yield, good stand ability, good height and good resistance to seed coat breakage.*
- **ADAPTED AREA:**
- *-The dryer areas of the green pea production areas of Western U.S. As a later seeded variety in Northern N.D. & Min. No-till, seed early and treat your seed to maximize yields.*

CRUISER -The “NEW” Quality Standard

- **CRUISER PVP NEW ZEELAND “STAY GREEN”**
- *A “NEW” small seeded, medium maturity, green pea. The industry is very excited to find this bleach resistant green pea that has improved stand ability and high yields to replace the old Columbian pea. This low bleach, smooth, round pea with small dark green cotyledons will make CRUISER the industry standard for green split peas in the domestic market.. It’s also very farmer friendly with its small, very tough seed and fair harvest ease and height.*
- **ADVANTAGES:**
- *-Bleach tolerance and high food quality in a high yielding, upright green pea. Limited testing has shown very good yields in the dryer climates. This could be due to its long flowering period. Its small seed size will reduce seeding costs, and seed damage.*