

KINZE[®]

Planter Checklist

SERIAL NUMBER _____ MODEL _____ INSPECTION DATE _____ INSPECTED BY _____

Refer to applicable Operator & Parts Manual for planter specific maintenance and parts information.

SAFETY

- Warning Lights* operate correctly
 - SMV Sign* visible and reflective
 - Safety Warning Signs* condition/clean
 - Reflectors/Reflective Decals* condition/clean
- Parts Needed:* _____

ROW MARKERS

- Disc Blades* wear
 - Bearings* wear/failure
 - Stand* adjustment and pad wear
 - Mounting Hardware* tight
 - Operating Speed* verify and adjust
 - Chain* tightness
- Parts Needed:* _____

DRIVES

- Wheel Modules* wear/lubrication
 - Contact Drive Chains* wear/lubrication
 - Sprockets* wear/alignment
 - Idlers* tension/alignment
 - Transmissions/shafts/chains* wear/lubrication
 - Shear Pins* replenish
 - Point Row Clutches* operation
 - Contact Drive Tires* pressure
 - Air Clutches* clean/lubrication
- Parts Needed:* _____

ELECTRICAL & SEED MONITOR

Wiring Harnesses

- Routing* secure as needed
- Cables and Connections* damage/corrosion
- Control Console Functions* verify operation

Sensors (Electronic Seed Monitor)

- Magnetic/Radar Distance Sensors* operation/damage
 - Seed Tube Sensors* operation/damage
 - Shaft Rotation Sensors* operation/damage
- Parts Needed:* _____

ROW UNITS

General

- Mounting Plate and U-bolts* tight
- Parallel Arms/Bushings/Hardware* wear/damage
- Pneumatic Down Pressure* leaks
- Down Pressure Springs* missing/damage
- Row Unit Shank* condition

Double Disc Openers

- Disc Blade* replace if 14½" or less
 - Blade Contact* shim adjustment
 - Bearings* wear/failure
- Parts Needed:* _____

Gauge Wheels

- Tires* wear/damage
- Wheel Arms* wear/damage
- Wheel-to-Blade Contact* shim adjustment
- Bearings* wear/failure
- Depth Adjustment* inspect/adjust
- Lubrication* refer to manual

No-Till Coulters/Attachments

- Depth* align/adjust
- Disc Blade* replace if 14½" or less
- Bearings* wear/failure
- Residue Wheels and Bearings* condition

Seed Hopper

- Hopper and Lid* wear/damage
- Seed Hopper Latch* adjust
- Clutch* meter drive alignment/lubrication
- Chain Idler* tension/alignment

Granular Chemical

- Hopper and Lid* wear/damage
- Meter* roller/gate/bushings
- Clutch* alignment
- Chain* tension/alignment/lubrication
- Tubes and Banders* condition

Closing Wheels

- Tires and Wheels* wear/damage
 - Hardware* tighten
 - Bearings* wear/failure
 - Springs* missing/damage
 - Bushing and Eccentrics* alignment
- Parts Needed:* _____

SEED METERS

Finger Pickup Meter

- Meterclean
- Belt, Brush and Carrier Plate wear
- Finger Assembly.....rust/wear/damage
- Rolling Torque..... should be 22–25 in/lbs
- Seed Baffle..... wear/damage

Brush-Type Seed Meter

- Meterclean
- Brushesfrayed, damaged or missing bristles
- Seed Disc..... wear
- Wear Band..... groove/wear

EdgeVac®

- Vacuum Hoses . . Remove from meters and operate fan at full hydraulic flow for two minutes to clear system of debris.

- Vacuum Cover and Disc. wear/damage
- Brushesfrayed, damaged or missing bristles
- Meter Housing and Disc.clean
- Analog Vacuum Gauge Breatherclean

Parts Needed: _____

OTHER ATTACHMENTS

Parts Needed: _____

Your Authorized KINZE® Dealer

DEALER IMPRINT

ESTIMATING CROP POPULATION

ROW WIDTH	LENGTH OF ROW FOR 1/1000 ACRE
10 inches	52 feet, 4 inches
11 inches	47 feet, 4 inches
15 inches	34 feet, 10 inches
18 inches	29 feet, 0 inches
19 inches	27 feet, 6 inches
20 inches	26 feet, 2 inches
22 inches	23 feet, 8 inches
30 inches	17 feet, 5 inches
36 inches	14 feet, 6 inches
38 inches	13 feet, 9 inches
40 inches	13 feet, 1 inch

How many plants per acre?

STEP 1: Measure 1/1000 of acre (see above).

STEP 2: Count plants.

STEP 3: Multiply by 1000.

Example: 30" rows - measure 17' 5"

Counted 27 plants.

Multiply by 1000.

27,000 plants per acre.

FARM MATH

Row Length (Feet)	NUMBER AND LENGTH OF ROWS IN AN ACRE					
	Row Width (Inches)					
	15	20	30	36	38	40
500	70	53	35	30	28	27
600	60	44	30	25	23	22
700	50	38	25	21	20	19
800	44	33	22	19	18	17
900	40	29	20	17	16	15
1,000	36	27	18	15	14	14
1,100	32	24	16	14	13	12
1,200	30	22	15	13	12	11
1,300	28	21	14	12	11	11
1,400	26	19	13	11	10	10
1,500	24	18	12	10	10	9
1,600	22	17	11	10	9	9
1,700	22	16	11	9	9	8
1,800	20	15	10	9	8	8
1,900	20	14	10	8	8	7
2,000	18	14	9	8	7	7
2,100	18	13	9	7	7	7
2,200	16	12	8	7	7	7
2,300	16	12	8	7	6	6
2,400	16	11	8	7	6	6
2,500	14	11	7	6	6	6
2,600	14	11	7	6	6	6
2,700	14	10	7	6	6	5

Example: 30 inch rows, 1,000 feet in length, equals 18 rows per acre.