

# THE AG AGENCY <sup>SM</sup> INC

"Here to help you grow." <sup>SM</sup>

## APPROXIMATE NUMBER OF SEEDS PER ACRE AT VARYING ROW WIDTHS & SPACING IN THE ROW

Row Width (inches)	Seed Spacing in the row – (inches)					
	6	8	10	12	14	16
20	52,168	39,126	31,300	26,084	22,172	19,563
24	43,600	32,700	26,100	21,800	18,700	16,300
28	37,300	28,000	22,400	18,700	16,000	14,000
30	34,848	26,136	20,908	17,424	14,810	13,068
32	32,700	24,500	19,600	16,300	14,000	12,300
34	30,784	23,338	18,470	15,392	13,030	11,497
36	29,000	21,800	17,400	14,500	12,400	10,900
38	27,500	20,600	16,500	13,800	11,800	10,300
40	26,100	19,600	15,700	13,100	11,200	9,800
42	24,900	18,700	14,900	12,400	10,700	9,300

## ACRES/ PER HOUR

Machine Width (ft) X Speed (mph)  
----- = ACRES PER HOUR  
10  
This formula allows 17.5% of time for turning on headlands, overlapping and rest breaks.

## VOLUME CONVERSION FACTORS/ AREA CONVERSION FACTORS

Cubic ft. X 0.8 = bushels grain  
Cubic ft. X 7.48 = gallons  
Cubic ft. X 62.4 = pounds water  
Gallons X 8.330 = pounds water  
Gallons X 0.1337 = cubic ft.  
Cubic inches / 1,728 = cubic ft.  
Cubic yard X 27 = cubic ft.  
Cubic ft. / 27 = cubic yards

## WHEAT TEST WEIGHT ADJUSTMENT(S)

A bushel of wheat must measure 1.25 cubic feet and test 60 pounds per bushel. Make adjustments for different tests according to the table at the right.

Wheat Testing	Percent
65 lbs. or over.....	108
64.0 to 64.9.....	107
63.0 to 63.9.....	105
62.0 to 62.9.....	103
61.0 to 61.9.....	102
60.0 to 60.9.....	100
59.0 to 59.9.....	98
58.0 to 58.9.....	97
57.0 to 57.9.....	95
56.0 to 56.9.....	93
55.0 to 55.9.....	92
54.0 to 54.9.....	90
53.0 to 53.9.....	88
52.0 to 52.9.....	87

Actual Test Weight

----- = Test Weight Factor  
Industry Standard Test Weight

(Above formula can be used for any commodity.)

**Example:** Wheat Standard is 60 lbs @ bu. Actual sample tested 56 lbs. 56 divided by 60 = 93% Test Weight Factor

## CORN ADJUSTMENT(S)

A bushel of ear corn measures 2.5 cubic feet. It has no more than 16% moisture. Adjust for higher moisture as shown.

EAR CORN MOISTURE (PERCENT)	ADJUSTMENT FACTOR (PERCENT)
16.1 to 17.0.....	98
17.1 to 18.0.....	96
18.1 to 19.0.....	94
19.1 to 20.0.....	92
20.1 to 21.0.....	90

A bushel of shelled corn must measure 1.25 cubic feet if test weight is 56 pounds per bushel. Adjust for different weights as indicated by the table at right.

SHELLED CORN	PERCENT
60 pounds or over.....	107
59 or over, less than 60.....	105
58 or over, less than 59.....	104
57 or over, less than 58.....	102
56 or over, less than 57.....	100
55 or over, less than 56.....	98
54 or over, less than 55.....	96
53 or over, less than 54.....	95
52 or over, less than 53.....	93
51 or over, less than 52.....	91
50 or over, less than 51.....	89
49 or over, less than 50.....	88

## CALCULATIONS FOR STORAGE FACILITIES

**Rectangular Structure:** Multiply length X width X leveled depth = Cubic Feet

**Round Structure:** Multiply diameter X diameter X .7854 X leveled depth = Cubic Feet

**Conical Structure:** Multiply diameter X diameter X .2618 X depth = Cubic Feet

**NOTE:** Use Volume Conversion Factors/Area Conversion Factors chart above top right to finish converting to the desired end result.

**Disclaimer:** We deem the information on this page to be accurate, but don't claim liability for any discrepancies.



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