

MULTI-PURPOSE FERTILIZER BINS

Model #	Bushels	Cubic Feet	Tons	Bin Height	Min. Auger
12' Diameter Bins - 45 Degree Bottom Cone					
1205	776	913	28	15'-8 3/16"	36'
1208	1064	1252	39	18'-8 3/16"	36'
1210	1256	1478	46	20'-8 3/16"	41'
1212	1448	1704	53	22'-8 3/16"	46'
1215	1737	2044	63	25'-8 3/16"	51'
1217	1930	2270	70	27'-8 3/16"	51'
1220	2218	2609	81	30'-8 3/16"	56'
13'6" Diameter Bins - 40 Degree Bottom Cone					
1410	1637	1926	60	23'-9 3/16"	41'
1412	1881	2213	69	23'-9 3/16"	46'
1415	2246	2642	82	26'-9 3/16"	46'
1417	2489	2928	91	31'-9 3/16"	51'
1420	3462	4073	126	36'-9 3/16"	56'
1425	3462	4073	126	36'-9 3/16"	61'
16' Diameter Bins - 40 Degree Bottom Cone (not available East of Mississippi River)					
1610	2410	2835	88	23'-8 7/8"	41'
1612	2751	3237	100	25'-8 7/8"	46'
1615	3264	3840	119	28'-8 7/8"	51'
1617	3607	4243	132	31'-8 7/8"	56'
1620	4119	4846	150	33'-8 7/8"	61'
1625	4973	5851	181	38'-8 7/8"	71'
1630	5828	6856	213	43'-8 7/8"	71'

FEED BINS

Model #	Bushels	Cubic Feet	Tons	Bin Height	No. of Legs
12' Diameter Bins - 60 Degree Bottom Cone					
605	178	209	6	13'-7/8"	4
608	250	294	6	16'-7/8"	4
610	298	350	7	18'-7/8"	4
612	346	407	8	20'-7/8"	4
8' Diameter Bins - 60 Degree Bottom Cone					
808	479	564	11	18'-6 1/6"	4
810	564	664	13	20'-6 1/16"	4
812	650	765	15	22'-6 1/16"	4
9' Diameter Bins - 60 Degree Bottom Cone					
910	737	867	17	21'-8 11/16"	4
912	845	994	20	23'-8 11/16"	4
915	1007	1178	24	26'-8 11/16"	4
10' Diameter Bins - 55 Degree Bottom Cone					
1010	938	1103	22	22'-11 1/4"	6
1012	1071	1260	25	24'-11 1/4"	6
1015	1271	1495	30	27'-11 1/4"	6

STEEP CONE - HEAVY DUTY

Model #	Bushels	Cubic Feet	Ton 40lbs/cu.ft	Ton 62lbs/cu.ft	Bin Height	Min. Auger
12' Diameter Bins - 55° Bottom Cone						
1205-55	889	1046	21	32	18'-9 3/16"	36'
1208-55	1177	1385	28	43	21'-9 3/16"	41'
1210-55	1369	1611	32	50	23'-9 3/16"	41'
1212-55	1562	1837	37	57	25'-9 3/16"	46'
1215-55	1850	2176	44	67	28'-9 3/16"	51'
1217-55	1850	2176	44	67	28'-9 3/16"	51'
1220-55	2331	2742	55	85	33'-9 3/16"	56'
1225-55	2812	3308	66	103	38'-9 3/16"	61'
13'6" Diameter Bins - 55° Bottom Cone						
1410-55	1799	2116	42	66	25'-4 3/8"	46'
1412-55	2042	2402	48	74	27'-4 3/8"	51'
1415-55	2406	2831	57	88	30'-2 13/16"	56'
1417-55	2650	3118	62	97	32'-2 13/16"	61'
1420-55	3015	3547	71	110	35'-2 13/16"	61'
1425-55	3624	4263	85	132	40'-2 13/16"	66'
1430-55	4232	4979	100	154	43'-2 13/16"	71'
16' Diameter Bins - 55° Bottom Cone						
1610-55	2678	3150	63	98	28'-5/16"	51'
1612-55	3020	3552	71	110	30'-5/16"	56'
1615-55	3532	4156	83	129	33'-5/16"	61'
1617-55	3874	4558	91	141	35'-5/16"	61'
1620-55	4387	5161	103	160	38'-5/16"	71'
1625-55	5241	6166	124	191	43'-5/16"	71'
1630-55	6096	7172	143	222	48'-5/16"	81'

LIQUID BINS

Model #	U.S. Gallons	Bushels	Cubic Feet	Dry Tons	Bin Height	Min. Auger
12' Diameter Bins						
1212L	13,074	1480	1741	54	22'-8 7/16"	46'
13'6" Diameter Bins						
1412L	16,936	1924	2264	70	23'-10 1/16"	46'
16' Diameter Bins (not available East of Mississippi River)						
1612L	24,858	2825	3323	103	25'-9 1/8"	46'
1615L	29,376	3338	3927	122	28'-9 1/8"	51'

GRAIN MAX™

Model #	Bushels	Cubic Feet	Bin Height	Min. Auger
12' Diameter Bins - 40 Degree Bottom Cone				
1212GM	1448	1704	23'-3/16"	45'
14' Diameter Bins - 40 Degree Bottom Cone				
1412GM	1881	2213	24'-1 13/16"	46'
1420GM	2854	3358	31'-9 13/16"	56'
16' Diameter Bins - 40 Degree (not available East of Mississippi River)				
1615GM	3264	3840	28'-8 7/8"	51'
1620GM	4119	4846	33'-8 7/8"	61'
1625GM	4973	5851	38'-8 7/8"	71'

SEED MAX™

Model #	Bushels	Cubic Feet	Bin Height	Min. Auger
12' Diameter Bins - 40 Degree Bottom Cone				
1208SM	1064	1252	20'-3/16"	36'
1212SM	1448	1704	24'-3/16"	45'
14' Diameter Bins - 40 Degree Bottom Cone				
1412SM	1881	2213	25'-1 13/16"	46'
1420SM	2854	3358	33'-1 13/16"	60'
1428SM	3872	4503	41'-1 13/16"	65'
16' Diameter Bins - 40 Degree (not available East of Mississippi River)				
1615SM	3264	3840	30'-7/8"	51'
1620SM	4119	4846	35'-7/8"	60'
1625SM	4973	5851	40'-7/8"	65'

DUMP HOPPERS/QUICKWEIGH

Model #	Clearance	Height	Capacity	Units
8' Diameter				
801 DH/QW	3'0"	6'-9 5/8"	5000#	100
801 DH/QW	8'6"	12'-2 5/8"	5000#	100
801 DH/QW	11'6"	15'-3 5/8"	5000#	100
805 DW/QW	3'0"	10'-9 5/8"	15,000#	300
805 DH/QW	8'6"	16'-3 5/8"	15,000#	300
805 DH/QW	11'6"	19'-3 5/8"	15,000#	300
10' Diameter				
1005 DH/QW	3'0"	12'-10 3/16"	25,000#	500
1005 DH/QW	8'6"	18'-4 3/16"	25,000#	500
1005 DH/QW	11'6"	21'-4 3/16"	25,000#	500

CALCULATIONS

Bushel capacities are approximate

Feed bin capacities are based on 40 lbs/ft3.

All fertilizer bins, steep cone bins and liquid bins capacities are based on 62 lbs/ft3.

To select the most appropriate bin size for your storage, please follow these steps:

- Determine product density (lbs/ft3).
- Convert the total tonnage being stored to lbs, then divide by the density. The result is the cubic foot capacity you require.

Example - You need to store 100 of urea fertilizer with a density of 48 lbs.

$$100 \times 2204 = 220,400 / 48 = 4592 \text{ (Min. ft3 required)}$$

Best model selection would be a 1620 or 1815.

To calculate a bins holding capacity of a specific product, follow these steps:

- Determine product density (lbs/ft3).
- Multiply the bins cubic foot capacity by the product density, then divide by 2204.

Example - Your fertilizer blend weights 57 lbs/ft3 and your purchasing a model 1625 fertilizer bin.

Model 1625 = 5851 ft3 x 57 lbs = 333,507 lbs / 2204 = 151 MT. Your new 1625 will hold about 151 MT of your specific fertilizer blend.