

Multi-Purpose Bins

Model #	Bushels	Cubic Feet	Tons	Bin Height	Min. Auger
12' Diameter Bins					
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'
1225	2699	3175	98	35'-8 3/16"	61'
13' 6" Diameter Bins					
1410	1637	1926	60	21'-9 13/16"	41'
1412	1881	2213	69	23'-9 13/16"	46'
1415	2246	2642	82	26'-9 13/16"	46'
1417	2489	2928	91	28'-9 13/16"	51'
1420	2854	3358	104	31'-9 13/16"	56'
1425	3462	4073	126	36'-9 13/16"	61'
1428	3872	4503	140	39'-9 13/16"	71'
16' Diameter Bins					
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'

Liquid Bins

Model #	US Gallons	Approx. Bushels	Cubic Feet	Tons	Bin Height
12' Diameter Bins					
1212L	13024	1480	1741	54	22'-8 7/16"
1220L	19793	2249	2646	82	30'-8 7/16"
13' 6" Diameter Bins					
1412L	16936	1924	2264	70	23'-10 1/16"
1415L	20153	2290	2694	84	26'-10 1/16"
1420L	25501	2898	3409	106	31'-10 1/16"
16' Diameter Bins					
1612L	24858	2825	3323	103	25'-9 1/8"
1615L	29376	3338	3927	122	28'-9 1/8"

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 needs 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 MT of urea fertilizer with a density of 48 lbs.

$$100 \times 2204 = 220,400 / 48 = 4592$$

(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.

Feed Bins

Model #	Bushels	Cubic Feet	Tons	Bin Height	No. of Legs
6' Diameter Bins - 60" Cone Bottom					
605	178	209	4	13'-0 7/8"	4
608	250	294	6	16'-0 7/8"	4
610	298	350	7	18'-0 7/8"	4
612	346	407	8	20'-0 7/8"	4
8' Diameter Bins - 60" Cone Bottom					
805	351	413	8	15'-6 1/16"	4
808	479	564	11	18'-6 1/16"	4
810	564	664	13	20'-6 1/16"	4
812	650	765	15	22'-6 1/16"	4
9' Diameter Bins - 60" Cone Bottom					
908	629	740	15	19'-8 11/16"	4
910	737	867	17	21'-8 11/16"	4
912	845	994	20	23'-8 11/16"	4
915	1007	1185	24	26'-8 11/16"	4
10' Diameter Bins - 60" Cone Bottom					
1010	938	1103	22	22'-11 1/4"	4
1012	1071	1260	25	24'-11 1/4"	6
1015	1271	1495	30	27'-11 1/4"	6
12' Diameter Bins - 55" Cone Bottom					
1205	889	1046	21	18'-9 3/16"	6
1208	1177	1385	28	21'-9 3/16"	6
1210	1369	1611	32	23'-9 3/16"	6
1212	1561	1837	37	25'-9 3/16"	6
1215	1850	2177	44	28'-9 3/16"	6

GrainMax™ Bins

Model #	Bushels	Cubic Feet	Tons	Bin Height	Min. Auger
12' Diameter Bins					
1208GM	1064	1252	39	18'-8 3/16"	36'
13' 6" Diameter Bins					
1412GM	1881	2213	69	23'-9 13/16"	46'
1420GM	2854	3358	104	31'-9 13/16"	56'
1425GM	3462	4073	126	36'-9 13/16"	61'
16' Diameter Bins					
1615GM	3264	3840	119	28'-8 7/8"	51'
1620GM	4119	4846	150	33'-8 7/8"	61'
1625GM	4973	5851	181	38'-8 7/8"	71'

Example

Your fertilizer blend weighs 57 lbs/ft³ and you're 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.

Steep Cone Bins

Model #	Bushels	Cubic Feet	Tons 40 lbs/cu.ft	Tons 62 lbs/cu.ft	Bin Height
12' Diameter Bins					
1205-55HD	889	1046	21	32	18'-9 3/16"
1208-55HD	1177	1385	28	43	21'-9 3/16"
1210-55HD	1369	1611	32	50	23'-9 3/16"
1212-55HD	1561	1837	37	57	25'-9 3/16"
1215-55HD	1850	2177	44	67	28'-9 3/16"
1217-55HD	2043	2403	48	74	30'-9 3/16"
1220-55HD	2331	2742	55	85	33'-9 3/16"
1225-55HD	2812	3308	66	103	38'-9 3/16"
13' 6" Diameter Bins					
1410-55HD	1799	2116	42	66	25'-4 3/8"
1412-55HD	2042	2402	48	74	27'-4 3/8"
1415-55HD	2406	2831	57	88	30'-4 3/8"
1417-55HD	2650	3118	62	97	32'-4 3/8"
1420-55HD	3015	3547	71	110	30'-11 3/16"
1425-55HD	3624	4263	85	132	35'-11 3/16"
1430-55HD	4232	4979	100	154	40'-11 3/16"
16' Diameter Bins					
1610-55HD	2678	3151	63	98	28'-0 5/16"
1612-55HD	3020	3553	71	110	30'-0 5/16"
1615-55HD	3533	4156	83	129	33'-0 5/16"
1617-55HD	3874	4558	91	141	35'-0 5/16"
1620-55HD	4387	5161	103	160	38'-0 5/16"
1625-55HD	5242	6167	123	191	43'-0 5/16"
1630-55HD	6096	7172	143	222	48'-0 5/16"

SeedMax™ Bins

Model #	Cubic Feet	Bushels	Bin Height	Min. Conveyor
12' Diameter Bins				
1208SM	1252	1064	20'-0 3/16"	36'
1212SM	1704	1448	24'-0 3/16"	45'
13' 6" Diameter Bins				
1412SM	2213	1881	25'-1 13/16"	46'
1420SM	3358	2854	33'-1 13/16"	60'
1428SM	4503	3872	41'-1 13/16"	65'
16' Diameter Bins				
1615SM	3840	3264	30'-0 7/8"	51'
1620SM	4846	4119	35'-0 7/8"	60'
1625SM	5851	4973	40'-0 7/8"	65'

Dump Hoppers/Quickweigh

Model #	Clearance	Height	Capacity	Units
8' Diameter				
801 DH/QW	3'-0"	6'-9 5/8"	5,000#	100
801 DH/QW	8'-6"	12'-2 5/8"	5,000#	100
801 DH/QW	11'-6"	15'-3 5/8"	5,000#	100
805 DH/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