



Washington State Department of Agriculture
Pesticide Management Division
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Annual Tonnage Report
Commercial Fertilizers Including Liming Materials 2023-2024
AGR PUB 632-336

Code	Nitrogen Materials	July - December 2023 (Tons)	January - June 2024 (Tons)	Total (Tons)
002	ANHYDROUS AMMONIA (82-0-0)	33,490.97	8,044.61	41,535.58
006	AQUA AMMONIA (20-0-0)	21,880.53	19,726.81	41,607.34
010	AMMONIUM NITRATE (34-0-0)	121.80	631.38	753.18
012	AMMONIUM NITRATE SOLUTION (18-20% N)	190.25	201.53	391.78
016	AMMONIUM NITRATE-SULFATE (30%N)	0.57	36.56	37.13
024	AMMONIUM SULFATE (20.5%-21%N, 24%S)	7,557.87	8,403.58	15,961.45
025	AMMONIUM SULFATE SOLUTION	1,043.36	1,870.03	2,913.39
027	AMMONIUM SULFATE-NITRATE (26%N)	4.00	1.00	5.00
031	AMMONIUM THIOSULFATE (12-0-0-26)	34,318.04	22,506.11	56,824.15
035	CALCIUM AMMONIUM NITRATE (17%N)	2,735.12	1,639.05	4,374.17
038	CALCIUM CYANAMID (20.5%N)	25.46		25.46
043	CALCIUM NITRATE	2,865.26	3,436.82	6,302.08
058	NITROGEN SOLUTION (URAN 28%-31%N)	5,525.17	6,668.58	12,193.75
060	NITROGEN SOLUTION (URAN 32%N) (32-0-0)	125,400.33	151,562.97	276,963.30
062	SODIUM NITRATE	8,417.29	222.06	8,639.35
064	SULFUR COATED UREA	440.41	2.78	443.19
066	UREA (46-0-0)	30,198.81	56,567.02	86,765.83
067	UREA SOLUTION (20%N) (20-0-0)	2,218.69		2,218.69
068	UREA-FORMALDEHYDE	28.74	59.47	88.21
097	OTHER NITROGEN	36,653.07	71,283.45	107,936.52
Nitrogen Materials Total:		313,115.74	352,863.81	665,979.55

Code	Phosphate Materials	July - December 2023 (Tons)	January - June 2024 (Tons)	Total (Tons)
202	AMMONIUM PHOSPHATE	4.38	348.79	353.17
203	DIAMMONIUM PHOSPHATE (18-46-0)	6,758.11		6,758.11
207	AMMONIUM PHOSPHATE SULFATE (16-20-0)	621.88	311.02	932.90
209	MONOAMMONIUM PHOSPHATE (11-52-0)	16,330.54	22,332.81	38,663.35
214	BONE MEAL	60.50	164.44	224.94
228	COLLOIDAL PHOSPHATE (SOFT)	1.70	53.60	55.30
241	NITRIC PHOSPHATE	0.41		0.41
243	PHOSPHATE ROCK	1,040.50	410.31	1,450.81
248	PHOSPHORIC ACID (54%)	112.99	17.53	130.52
249	LIQUID AMM. PHOLYPHOS (11-37-0 & 10-34-0)	20,509.79	24,979.71	45,489.50



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263	SUPERPHOSPHATE (NORMAL)	7.27	2.60	9.87
267	SUPERPHOSPHATE (TRIPLE)	16.54	201.26	217.80
297	OTHER PHOSPHATE	3,728.22	10,209.73	13,937.95
Phosphate Materials Total:		49,192.83	59,031.80	108,224.63

Code	Potash Materials	July - December 2023 (Tons)	January - June 2024 (Tons)	Total (Tons)
408	LIME-POTASH MIXTURES (10% K)	0.82		0.82
415	POTASH SUSPENSIONS (13-15% K)	9,621.09	826.35	10,447.44
423	POTASSIUM CARBONATE (64% K ₂ O)	1.28	75.85	77.13
428	MURIATE OF POTASH (60-61% K ₂ O)	16,194.17	26,595.33	42,789.50
430	MURIATE OF POTASH (62% K ₂ O)	2,960.66	7,510.68	10,471.34
443	POTASSIUM MAGNESIUM SULFATE (KMAG)	187.84	3,403.84	3,591.68
448	POTASSIUM-METAPHOSPHATE (0-55-37)	2.42		2.42
453	POTASSIUM NITRATE (14-0-44)	55.24	15.99	71.23
463	POTASSIUM SULFATE (50-53% K ₂ O)	4,479.97	6,777.02	11,256.99
497	OTHER POTASH	8,637.72	17,150.08	25,787.80
Potash Materials Total:		42,141.21	62,355.14	104,496.35

Code	Secondary Nutrients & Micron	July - December 2023 (Tons)	January - June 2024 (Tons)	Total (Tons)
702	ALUMINUM SULFATE	0.39	1.30	1.69
706	BORAX (BORON AS BORAX)	1,045.45	324.58	1,370.03
714	COBALT SULFATE	0.32	257.75	258.07
720	COPPER SULFATE	39.40	52.94	92.34
722	COPPER CHELATE	55.52	13.58	69.10
723	COPPER COMPOUND	43.50	121.78	165.28
726	FERRIC SULFATE	1.21	7.55	8.76
728	FERROUS SULFATE	388.00	2,877.38	3,265.38
730	IRON CHELATE	19.80	15.64	35.44
731	IRON COMPOUND	5.21	4.34	9.55
732	GYPSUM (CALCIUM SULFATE)	40,172.06	23,152.97	63,325.03
733	CALCIUM CHELATE	607.32	1,400.68	2,008.00
734	CALCIUM SULFATE (HYDROUS)	2,040.99	0.25	2,041.24
736	LIME SULFUR SOLUTION	135.74	1,993.17	2,128.91
742	MAGNESIA (MAGNESIUM OXIDE)	0.47		0.47
744	EPSOM SALT (MAGNESIUM SULFATE)	144.49	127.22	271.71



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745	MAGNESIUM CHELATE	32.78	55.27	88.05
749	MANGANESE CHELATE	34.29	40.16	74.45
750	MANGANESE OXIDE	2.43		2.43
754	MANGANESE SULFATE	259.50	173.91	433.41
762	SODIUM MOLYBDONATE	0.10	2.46	2.56
770	SULFUR	6,408.09	7,238.44	13,646.53
773	CALCIUM CHLORIDE	1,611.56	3,771.99	5,383.55
774	SULFURIC ACID	1,950.70	1,404.70	3,355.40
782	ZINC SULFATE	1,157.59	292.49	1,450.08
783	ZINC SULFATE SOLUTION	93.63	314.19	407.82
784	ZINC CHELATE	367.70	221.51	589.21
797	OTHER SECONDARY AND MICRONUTRIENTS	9,682.88	33,541.10	43,223.98
Secondary Nutrients & Micronutrients Total:		66,301.12	77,407.35	143,708.47

Code	Natural Organic Materials	July - December 2023 (Tons)	January - June 2024 (Tons)	Total (Tons)
601	BLOOD, DRIED	4.45	12.22	16.67
613	COMPOST	57,042.56	24,634.31	81,676.87
615	COTTONSEED MEAL	1.28	6.50	7.78
617	FISH SCRAP	461.03	598.92	1,059.95
629	GUANO	8.68	42.99	51.67
649	MANURE, MANIPULATED	642.62	43,910.12	44,552.74
661	SEWAGE SLUDGE, ACTIVATED	120.96	123.99	244.95
665	SEWAGE SLUDGE, HEAT DRIED	170.50	74.00	244.50
671	SOYBEAN MEAL	7.34	0.30	7.64
673	TANKAGE, ANIMAL		3.70	3.70
675	TANKAGE, PROCESS	7.80		7.80
697	OTHER NATURAL ORGANIC	2,095.06	21,084.44	23,179.50
Natural Organic Materials Total:		60,562.28	90,491.49	151,053.77

Code	Liming Materials	July - December 2023 (Tons)	January - June 2024 (Tons)	Total (Tons)
901	CALCIUM OXIDE (BURNT)	27.91	7.59	35.50
902	CALCIUM HYDROXIDE (HYDRATE)	15,705.86	721.94	16,427.80
903	STANDARD DOLOMITE	6,224.44	6,184.04	12,408.48
904	DOLOMITE LIME (75% NEUTRAL)	1,048.57	3,421.53	4,470.10
905	LIMESTONE	20,159.52	13,407.46	33,566.98



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905	STANDARD CALCITE	5,060.38	778.22	5,838.60
906	CALCITIC LIME (75% NEUTRAL)	45.61	1,199.77	1,245.38
907	SUGAR BEET LIME	17,499.47	9,756.64	27,256.11
908	BOILER ASH	3,160.20	373.53	3,533.73
908	WOOD ASH	518.34	522.31	1,040.65
910	DOLOMITIC & CALCITIC BLEND (PELLETIZED)	58.45	144.06	202.51
997	OTHER LIME	6,571.83	1,817.06	8,388.89
Liming Materials Total:		76,080.58	38,334.15	114,414.73

Code	Miscellaneous Materials	July - December 2023 (Tons)	January - June 2024 (Tons)	Total (Tons)
	Bagged Mixed Fertilizer	10,982.91	65,295.56	76,278.47
	Bulk Mixed Fertilizer	110,357.52	212,017.21	322,374.73
	Liquid Mixed Fertilizer	28,797.16	46,034.28	74,831.44
Miscellaneous Materials Total:		150,137.59	323,347.05	473,484.64

Code	Grand	July - December 2023 (Tons)	January - June 2024 (Tons)	Total (Tons)
	Period Total for Fertilizer Materials	681,450.77	965,496.64	1,646,947.41
	Period Total for Liming Materials	76,080.58	38,334.15	114,414.73
Grand Total:		757,531.35	1,003,830.79	1,761,362.14