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Fertilisers

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FERTILISERS

ALL fertilisers sold in Western Australia are required to be registered annually with the Department of Agriculture. A list of those fertilisers registered for the current registration year which commenced on the 1st November, 1953, appears in this issue.

In addition to registration, manufacturers and sellers of fertilisers must fulfil certain other requirements of the Fertiliser Act, 1928. All fertilisers sold must be contained in a package on which is clearly marked the registered brand and name of the fertiliser and if the quantity of a fertiliser sold is 1 cwt. or more, an invoice setting out the registered brand and name together with the registered analysis of the fertilised must be supplied to the buyer.

Persons buying fertilisers are strongly advised to consult the list of registered fertilisers and to see that packages are correctly branded and when applicable, invoiced before accepting delivery of any fertiliser.

If a fertiliser which is offered for sale, is not included in the list of registered fertilisers, or if any other doubts arise, prospective buyers are advised to make enquiries at the Department of Agriculture before purchasing such material.

Departmental inspectors carry out periodical inspections of places where fertilisers are held for sale. Samples are taken and submitted to the Government Analyst for analysis to see that fertilisers being sold comply with the registered analysis. The knowledge that this work is being carried out, induces manufacturers to maintain their fertilisers close to and usually a little above the registered standard.

UNIT VALUES

From the list of registered fertilisers, unit values for the main fertilising ingredients, nitrogen, phosphoric acid and potash in their various forms have been calculated and are as follows:—

	s. d.	
Nitrogen (N) as—		
Blood and Bone, Bonedust and other animal fertilisers	72	2
Nitrate	47	0
Ammonia	37	5
Phosphoric Acid (P_2O_5) as—		
Water soluble in superphosphate	13	8
Citrate soluble in superphosphate	13	8
Acid soluble in superphosphate and rock phosphate	6	3
Dried Blood, Blood and Bone, Bonedust and other animal fertilisers	18	0
Potash (K_2O) as—		
Sulphate	16	11½
Muriate (Chloride)	12	3

The unit value for a given fertiliser ingredient is the average commercial value of each one per cent. of that ingredient per ton of fertiliser. The values listed above have been calculated from the average quoted prices at the time of registration.

From unit values the relative commercial values of fertilisers can easily be calculated. Multiply the percentage of each ingredient in the fertilisers by their unit values and total the result for all ingredients in each fertiliser, e.g.:—

	Minimum percentage of—	
	Nitrogen	Phosphoric Acid
X Brand Blood and Bone	6.5	10.0
Y Brand Blood and Bone	5.5	13.0

From the table of unit values above, it will be noted that the unit values for Nitrogen and Phosphoric Acid in Blood and Bone are 72s. 2d. and 18s. respectively. From these figures the comparative values of each fertiliser can be calculated as follows:—

X Brand Blood and Bone

	s.	d.
6.5 units of nitrogen @ 72s.		
2d. per unit	469	1
10.0 units of phosphoric acid		
@ 18s. per unit	180	0
Total value	649	1

Y Brand Blood and Bone

5.5 units of nitrogen @ 72s.		
2d. per unit	396	11
13.0 units of phosphoric acid		
@ 18s. per unit	234	0
	630	11

It can readily be seen that the units contained in X Brand are worth more than those in Y Brand. Therefore, if both fertilisers were offered at the same price, the X Brand would be the most economical to purchase.

Unit values are only useful for a comparison of fertilisers of similar types. It will be appreciated that it is not possible to compare, say for example, the nitrogen in blood and bone with that in sulphate of ammonia.

When using unit values to calculate the commercial values of fertilisers, it should be borne in mind that these values are average figures calculated from all fertilisers registered. It will therefore be found that values arrived at from the use of unit values will, in some cases, be more than and in some cases less than the actual selling price. It should also be remembered that market values fluctuate and that in the case of mixed fertilisers, e.g., potato manures, the cost of mixing and extra handling, must be added to figures arrived at by the use of unit values.

FARMERS HAVE PROVED . . .



K F M
defeats *Flystrike*

Australian farmers and station owners buy more K.F.M. than any other brand. Why? Because K.F.M. emulsion has been tried and proven over the years. K.F.M. is both a cure and preventive of Blowfly strike. Flies resting on a K.F.M. treated area absorb sufficient D.D.T. through the pads of their feet in a few seconds to ensure certain death.

From your local AGENT or
WILCOX MOFFLIN LTD.
SOUTH TERRACE, FREMANTLE

1 Gallon of
K.F.M. emul-
sion makes 6
gallons of
working mix-
ture.



FERTILISERS

The following Fertilisers have been registered at the Department of Agriculture under the Fertiliser Act, 1928, for the year commencing 1st November, 1953

Name of Fertiliser.	Reg. No.	Brand.	By Whom Registered.	Nitrogen (N) as			Phosphoric Acid (P ₂ O ₅) as				Potash (K ₂ O) as		Cash Price per ton at Works (W) or on Rails at Perth (P).
				Ni- trate.	Am- monia.	Blood and Bone.	Bone Dust.	Water Soluble.	Citrate Soluble.	Acid Soluble.	Total.	Sul- phate.	
A.—MINERAL.													
1. Nitrogenous.													
(a) <i>Nitrogen as Nitrate.</i>													
Chilean Nitrate of Soda	7	Champion	R. Dundas Smith & Son	16-0	...	...	...	...	...	...	...	...	£35/12/6 ex Ship.
Sodium Nitrate	8	Fauldings	F. H. Faulding & Co., Ltd.	16-0	...	...	...	...	...	...	...	...	£39/6/6 per cwt. (P)
Nitrate of Soda	19	Boans	Boans, Ltd.	16-0	...	...	...	...	...	...	...	...	£38/7/0 (W) P.
Do.	37	C.S.M.L.	Cuning Smith & Mt. Lyell Farmers Fertilisers, Ltd.	15-5	...	...	...	...	...	...	...	...	£39/0/3 (W) B.
(b) Nitrogen as Ammonia.													
Ammonium Nitrate	9	Fauldings	F. H. Faulding & Co., Ltd.	30-0	...	...	...	...	...	...	...	...	£7/19/0 per cwt. (P)
Sulphate of Ammonia	10	do.	do.	...	20-0	...	...	...	...	...	...	...	£2/12/0 per cwt. (P)
Do.	20	Boans	Boans, Ltd.	...	20-5	...	...	...	...	...	...	...	£4/14/6 per bag (187 lb.), 4/0 per 7lb. packet
Do.	38	I, C, I, A, N, Z	Cuning Smith & Mt. Lyell Farmers Fertilisers, Ltd.	...	20-5	...	...	...	...	...	...	...	£38/7/0 (W) P
Do.	112	David Gray's	David Gray & Co., Ltd.	...	21-0	...	...	...	...	...	...	...	£39/15/7 (W) G
Do.	121	Wrights	Wrights, Ltd.	...	20-5	...	...	...	...	...	...	...	£39/0/3 (W) B
(c) <i>Nitrogen as Urea.</i>													3/6 per 7lb. packet
Nitro 46	111	Flak	A. A. Schaffer & Co. Pty., Ltd.	...	46-0*	...	...	...	...	...	...	...	3/9 per lb.
Nitrogen Fertiliser	133	Grofast	Commercial Chemical Co.	...	45-0†	...	...	...	...	...	...	...	4/6 per 1lb. packet
2. Phosphate.													
(a) <i>Rock Phosphate.</i>													
Ground Phosphate Rock	39	C.S.M.L.	Cuning Smith & Mt. Lyell Farmers Fertilisers, Ltd.	...	...	...	...	...	...	36-6	36-6	...	£11/8/0 (W)
Do.	40	Sickle	do.	...	...	...	...	...	...	36-6	36-6	...	£11/8/0 (W)
(b) Superphosphate.													
Superphosphate	21	Boans	Boans, Ltd.	...	...	...	...	17-0	2-0	4-0	23-0	...	£14/4/3 (W)
Do.	41	C.S.M.L.	Cuning Smith & Mt. Lyell Farmers do.	...	...	...	...	17-0	2-0	4-0	23-0	...	£14/4/3 (W)
Do.	42	Mount Lyell as ML in diamond	do.	...	...	...	...	17-0	2-0	4-0	23-0	...	£14/4/3 (W)
Florida Super	43	Sickle	do.	...	...	...	...	17-0	2-0	4-0	23-0	...	£14/4/3 (W)
Super	81	Cresco	Cresco Fertilisers (W.A.), Ltd.	...	...	...	...	17-0	2-0	4-0	23-0	...	£14/4/3 (W)
Superphosphate	122	Wrights	Wrights, Ltd.	...	...	...	...	17-0	2-0	4-0	23-0	...	£14/4/3 (W)
D.D.T. Superphosphate	127	C.S.M.L.	Cuning Smith & Mt. Lyell Farmers Fertilisers, Ltd.	...	...	...	...	16-0	2-0	3-75	21-75	...	£22/8/1 (W)
Do.	128	Sickle	do.	...	...	...	...	16-0	2-0	3-75	21-75	...	£22/8/1 (W)
(c) Rock Phosphate and Superphosphate.													
50/50 Mixture	44	C.S.M.L.	Cuning Smith & Mt. Lyell Farmers Fertilisers, Ltd.	...	...	...	...	8-5	1-0	20-5	30-0	...	£13/13/7 (W)
Do.	45	Mount Lyell as ML in diamond	do.	...	...	...	...	8-5	1-0	20-5	30-0	...	£13/13/7 (W)

P denotes Perth. G denotes Geraldton. B denotes Bunbury. * Potash as Nitrate. † Nitrogen as Urea.

FERTILISERS—continued.

Name of Fertiliser.	Reg. No.	Brand.	By Whom Registered.	Nitrogen (N) as			Phosphoric Acid (P ₂ O ₅) as			Potash (K ₂ O) as		Cash Price per ton at Works (W) or on Rails at Perth (P).
				Ni- trate.	Am- monia.	Blood and Bone.	Water Soluble.	Citrate Soluble.	Acid Soluble.	Total.	Sul- phate.	
50/50 Mixture	82	Cresco	Cresco Fertilizers (W.A.), Ltd. ...	%	%	%	8.5	%	%	%	%	£13/13/7 (W)
(d) Superphosphate and Minor Elements.												
Super and Copper No. 1	46	C.S.M.L.	Cuming Smith & Mt. Lyell Farmers Fertilisers, Ltd. ...	...	...	...	...	...	...	...	...	£21/8/11 (W)
Super and Copper Ore	47	do.	do.	...	...	...	16.0	1.75	3.75	21.5	...	£16/9/3 (W)
Super and Zinc	48	do.	do.	...	...	...	16.0	1.75	3.75	21.5	...	£18/8/9 (W)
Super and Zinc No. 2	49	do.	do.	...	...	...	16.5	1.75	4.25	22.5	...	£16/8/9 (W)
Super, Copper Ore and Zinc	50	do.	do.	...	...	...	13.75	1.5	3.25	18.5	...	£17/16/2 (W)
Super and Manganese	51	do.	do.	...	...	...	14.5	1.75	3.25	19.5	...	£24/1/1 (W)
Super and Copper Ore	52	Sickle	do.	...	...	...	13.0	2.0	4.0	19.0	...	£16/9/3 (W)
Super and Zinc No. 2	53	do.	do.	...	...	...	16.5	1.75	4.25	22.5	...	£16/8/9 (W)
Super, Copper Ore and Zinc	54	do.	do.	...	...	...	13.75	1.5	3.25	18.5	...	£17/16/2 (W)
Super and Manganese	55	do.	do.	...	...	...	14.5	1.75	3.25	19.5	...	£24/1/1 (W)
Super and Copper Sulphate	83	Cresco	Cresco Fertilizers (W.A.), Ltd. ...	3.8	...	...	16.0	1.75	3.75	21.5	...	£18/8/11 (W)
Super and Copper Ore No. 2	84	do.	do.	...	...	...	13.0	2.0	4.0	19.0	...	£16/9/3 (W)
Super and Zinc Sulphate	85	do.	do.	...	...	...	16.25	2.0	3.75	22.0	...	£18/7/7 (W)
Super and Zinc Oxide No. 2	86	do.	do.	...	...	...	16.5	1.75	4.25	22.5	...	£16/8/9 (W)
Super, Copper Ore and Zinc Oxide	87	do.	do.	...	...	...	13.75	1.5	3.25	18.5	...	£17/6/2 (W)
Super and Manganese	88	do.	do.	...	...	...	14.5	1.75	3.25	19.5	...	£24/1/1 (W)
Super and Molybdenum	89	do.	do.	...	...	...	17.0	2.0	4.0	23.0	...	£17/13/1 (W)
Super and Minor Elements	90	do.	do.	...	...	...	12.25	1.5	2.75	16.5	...	£24/4/2 (W)
Super, Copper Mixture, and Zinc Oxide	129	do.	do.	...	...	...	13.75	1.5	3.25	18.5	...	£19/8/9 (W)
Super and Copper Mixture	130	do.	do.	...	...	...	13.0	2.0	4.0	19.0	...	£18/1/10 (W)
Super, Copper Mixture, and Zinc	131	Sickle	Cuming Smith & Mt. Lyell Farmers Fertilisers, Ltd. ...	...	...	...	13.75	1.5	3.25	18.5	...	£19/8/9 (W)
Super and Copper Mixture	132	do.	do.	...	...	...	13.0	2.0	4.0	19.0	...	£18/1/10 (W)
3. Potassic.												
(a) Potash as Sulphate.												
Sulphate of Potash	22	Boans	Boans, Ltd. ...	...	...	...	...	...	...	...	48.0	£40/13/6 (W) P
Do.	56	Sun	Cuming Smith & Mt. Lyell Farmers Fertilisers, Ltd. ...	...	...	...	...	...	...	...	48.0	£42/5/0 (W) G
				...	...	...	...	...	...	...	...	£41 (W) B
(b) Potash as Muriate.												
Muriate of Potash	23	Boans	Boans, Ltd. ...	...	...	...	...	...	...	...	58.0	£4/4/0 per bag of 187lb.
Do.	57	Sun	Cuming Smith & Mt. Lyell Farmers Fertilisers, Ltd. ...	...	...	...	...	...	...	...	58.0	£24/7/0 (W) P
Do.	116	Wesfarmers	Westralian Farmers Co-op., Ltd. ...	...	...	...	...	...	...	...	54.0	£24/17/6 (W) B
				...	...	...	...	...	...	...	...	£34/17/6 (P)

4. Nitrogen and Phosphoric Acid.															
Lawn Manure	29	Dawn	...	...	...	8-54	...	9-23	1-36	0-82	11-4	...	...	...	£20/8/0 (W) B
Plant Food	30	do.	...	...	...	5-23	...	11-21	1-41	1-46	14-8	...	...	...	£20/5/4 (W) B
Potato Manure C	58	C.S.M.L.	...	...	...	3-5	...	14-0	1-5	3-25	18-75	...	...	...	£20/3/0 (W)
Do. do.	59	Mount Lyell as ML in diamond	...	...	...	3-5	...	14-0	1-5	3-25	18-75	...	...	...	£20/3/0 (W)
Do.	60	Sickle	...	...	...	3-5	...	14-0	1-5	3-25	18-75	...	...	...	£20/3/0 (W)
Do.	91	Cresco	...	...	...	3-5	...	14-0	1-5	3-25	18-75	...	...	...	£20/3/0 (W)
Lawn Manure	123	Wrights	...	...	...	3-5	...	14-0	1-5	3-25	18-75	...	...	...	£20/3/0 (W)
5. Nitrogen, Phosphoric Acid and Potash.															
Potato Manure A	24	Boans	...	...	...	2-5	...	13-25	1-5	3-25	18-0	...	5-0	...	£2 1/6 per bag of 100lb.
Potato Manure E	25	do.	...	...	...	3-5	...	11-5	1-25	2-75	15-5	...	8-0	...	£2 1/6 per bag of 100lb.
Potato Manure A	61	C.S.M.L.	...	...	...	2-5	...	13-25	1-5	3-25	18-0	...	5-0	...	£20/19/0 (W)
Potato Manure A2	62	do.	...	...	...	2-5	...	13-25	1-5	3-25	18-0	...	5-0	...	£22/7/6 (W)
Potato Manure B	63	do.	...	...	...	3-5	...	12-5	1-25	3-0	16-75	...	5-0	...	£22/5/9 (W)
Potato Manure E	64	do.	...	...	...	3-5	...	11-5	1-25	2-75	15-5	...	8-0	...	£22/10/0 (W)
Potato Manure E2	65	do.	...	...	...	3-5	...	11-5	1-25	2-75	15-5	...	8-0	...	£25/13/4 (W)
Orchard Manure	66	do.	...	...	...	3-5	...	12-5	1-25	3-0	16-75	...	5-0	...	£22/5/9 (W)
Tomato Manure	67	do.	...	...	...	3-5	...	10-25	1-0	2-5	13-75	10-0	...	...	£27/1/10 (W)
Garden Fertiliser	68	do.	...	...	...	3-5	...	11-5	1-25	2-75	15-5	...	8-0	...	£23/1/10 (W)
Tobacco Fertiliser	69	do.	...	...	...	3-3	...	11-5	1-25	2-75	15-5	...	5-7	...	£24/18/9 (W)
Tobacco Fertiliser No. 2	70	do.	...	...	...	3-3	...	11-0	1-25	2-75	15-0	...	5-7	...	£25/4/3 (W)
Potato Manure A	71	Mount Lyell as ML in diamond	...	...	...	2-5	...	13-25	1-5	3-25	18-0	...	5-0	...	£20/16/8 (W)
Potato Manure B	72	do.	...	...	...	3-5	...	12-5	1-25	3-0	16-75	...	5-0	...	£22/2/9 (W)
Potato Manure E	73	do.	...	...	...	3-5	...	11-5	1-25	2-75	15-5	...	8-0	...	£23/6/7 (W)
Orchard Fertiliser	74	do.	...	...	...	3-5	...	12-5	1-25	3-0	16-75	...	5-0	...	£22/2/9 (W)
Potato Manure A	75	do.	...	...	...	3-5	...	11-5	1-25	2-75	15-5	...	8-0	...	£23/6/7 (W)
Potato Manure B	76	Sickle	...	...	...	2-5	...	13-25	1-5	3-25	18-0	...	5-0	...	£20/16/8 (W)
Potato Manure A	77	do.	...	...	...	3-5	...	12-5	1-25	3-0	16-75	...	5-0	...	£22/2/9 (W)
Potato Manure E	78	do.	...	...	...	3-5	...	11-5	1-25	2-75	15-5	...	8-0	...	£23/6/7 (W)
Orchard Manure	79	do.	...	...	...	3-5	...	12-5	1-25	3-0	16-75	...	5-0	...	£22/2/9 (W)
Garden Fertiliser	80	do.	...	...	...	3-5	...	11-5	1-25	2-75	15-5	...	8-0	...	£23/6/7 (W)
Potato Manure A	92	Cresco	...	...	...	2-5	...	13-25	1-5	3-25	18-0	...	5-0	...	£20/16/8 (W)
Potato Manure B	93	do.	...	...	...	3-5	...	12-5	1-25	3-0	16-75	...	5-0	...	£22/2/9 (W)
Potato Manure E	94	do.	...	...	...	3-5	...	11-5	1-25	2-75	15-5	...	8-0	...	£23/6/7 (W)
Orchard Manure	95	do.	...	...	...	3-5	...	12-5	1-25	3-0	16-75	...	5-0	...	£22/2/9 (W)
Potato Manure A	124	Wrights	...	...	...	2-5	...	13-25	1-5	3-25	18-0	...	5-0	...	£22/3/9 (W)
6. Liquid Fertiliser.															
Liquid Manure	6	Keoghs	...	...	...	1-7	...	1-5	...	...	1-5	...	2-0	...	3/11 per 20oz. bottle (wholesale)
Do.	11	Fauldings	...	...	...	7-5	...	5-0	...	...	5-0	...	3-5*	...	3/6 per 20oz. bottle
Liquid Fertiliser	112	Blue Peter	...	...	...	7-5	...	5-3	...	...	5-3	...	3-7	...	2/6 per 20oz. bottle
Do.	113	David Gray's	...	...	...	9-0	...	6-0	...	...	6-0	...	4-0*	...	1/6 per 20oz. bottle
Hypon Q	124	Hypon	...	...	...	14-0	...	5-0	...	...	5-0	...	4-0	...	4/11 per 1lb. packet
Liquid Manure	125	Rapid Gro	...	...	...	16-0	...	50-0	...	...	50-0	...	12-0*	...	4/11 per 1lb. packet
Hydawn (1)	126	Hypon	...	...	...	16-0	...	50-0	...	...	50-0	...	20-0	...	3 1/4 per 7lb. packet
7. Miscellaneous.															
Bulb and Corn Manure	32	Dawn	...	...	...	1-9	...	9-2	1-4	0-8	11-4	...	9-0	...	4/3 per 7lb. packet
Seedling Manure	33	do.	...	...	...	5-3	...	8-75	1-25	1-0	11-0	...	4-4	...	4/3 per 7lb. packet
Fertiliser	99	Clarksons	...	...	...	5-6	...	5-5	0-43	0-43	5-93	...	3-2	...	4/3 per 7lb. packet
Rose Manure	100	do.	...	...	...	5-6	...	5-5	0-43	0-43	5-93	...	3-2	...	4/3 per 7lb. packet
Growth Fertiliser Tablets	110	Summit	...	...	...	4-1	...	7-0	1-2	0-1	8-3	...	12-2	...	2 1/4 per 7lb. packet
Powdered Fertiliser	114	David Gray's	...	...	...	5-6	...	5-5	0-43	0-43	5-93	...	3-2*	...	3 1/4 per 7lb. packet
Potose Manure	115	do.	...	...	...	5-6	...	5-5	0-43	0-43	5-93	...	3-2*	...	3 1/4 per 7lb. packet

FERTILISERS—continued.

Name of Fertiliser.	Reg. No.	Brand.	By Whom Registered.	Nitrogen (N) as			Phosphoric Acid (P ₂ O ₅) as				Potash (K ₂ O) as		Cash Price per ton at Works (W) or on Rails at Perth (P).	
				Ni- trate.	Am- monia.	Blood and Bone.	Bone Dust.	Water Soluble.	Citrate Soluble.	Acid Soluble.	Total.	Sul- phate.		Muri- ate.
B.—ORGANIC.														
(a) <i>Blood and Bone.</i>														
Blood and Bone	1	Pannifex	Burridge & Warren Pty., Ltd.	...	...	7-0	...	...	5-0	5-0	10-0	...	...	£40 (P)
Do.	2	Wyndham	Wyndham Freezing, Canning & Meat Export Works	...	...	6-0	...	...	5-5	9-5	15-0	...	...	£30 14/3 (P)
5% N. Blood and Bone	3	Thomas	W. Thomas & Co. (W.A.), Ltd.	...	...	5-0	...	...	3-0	9-0	12-0	...	...	£36 10/0 (P)
Blood and Bone	4	TB and S in diamond	T. Borthwick & Sons (A'sia), Ltd.	...	...	5-75	...	...	6-75	5-25	12-0	...	...	£30 (W)
Blood and Bone Manure	5	Kitchens	J. Kitchen & Sons Pty., Ltd.	...	...	6-8	...	...	9-0	5-0	14-0	...	...	£37 7/6 (P)
Blood and Bone Fertiliser	13	Blue Cross	Agricultural Products Co.	...	...	5-0	...	...	6-5	6-5	13-0	...	...	3/9 per 7lb. packet
Blood and Bone	26	Boans	Boans, Ltd.	...	...	6-0	...	...	4-0	11-0	15-0	...	...	£1 2/6 per bag of 50lb.
Do.	96	Apex	E. J. Fry Pty., Ltd.	...	...	6-0	...	...	4-0	11-0	15-0	...	...	£34 10/0 (W)
Do.	118	Eclipse	The W.A. Meat Export Works	...	...	6-0	...	...	...	...	12-0	...	...	£35 5/0 (P)
(b) <i>Animal Fertiliser.</i>														
Anim-1 Fertiliser	14	Blue Cross	Agricultural Products Co.	...	...	3-75	...	...	7-5	7-5	15-0	...	...	3/9 per 7lb. packet
Do.	36	K in diamond, A & A Superise	C. A. Kirkby & Sons	...	...	5-0	...	...	4-0	10-0	14-0	...	...	£32 11/0 (P)
Do.	101	C.H.B.	C. H. Bailey	...	...	4-0	...	...	3-5	9-5	13-0	...	...	£24 (W)
Do.	103	Wooltana	Wooltana Industries, Ltd.	...	...	4-0	...	...	1-0	8-15	9-15	...	...	£26 (P)
Do.	106	Cloverdale	Cloverdale Fertilisers	...	...	4-0	...	...	...	...	16-0	...	...	£29 (W)
Whale Fertiliser	109	Wrights	Wrights, Ltd.	...	...	6-0	...	...	3-0	7-0	9-0	...	...	£34 (W)
Animal Fertiliser	120	Midland	The Midland Junction Abattoir Board	...	...	8-0	...	...	...	...	5-0	...	...	£20 (W)
(c) <i>Blood Meal Fertiliser.</i>														
Dried Blood	117	Weafarmers	Westralian Farmers Co-op., Ltd.	...	...	12-0	...	...	...	...	...	...	...	£55 (W)
(d) <i>Fish Fertiliser.</i>														
Fish Fertiliser	135	Corno	Nor-West Fertilisers	...	...	5-0	...	4-0	2-0	2-0	8-0	...	...	£18 (W)
(e) <i>Bone Dust Fertiliser.</i>														
Bone Dust	107	Cloverdale	Cloverdale Fertilisers	...	...	...	2-5	...	...	...	20-0	...	...	...
(f) <i>Miscellaneous.</i>														
Special Garden Fertiliser	15	Blue Cross	Agricultural Products Co.	...	...	5-0	...	5-0	5-25	6-25	16-5	...	1-5	3/9 per 7lb. packet
Rose Bush Fertiliser	16	do.	do.	...	...	5-0	...	4-5	1-5	1-75	7-75	...	3-0	3/9 per 7lb. packet
Lawn Manure	17	do.	do.	...	...	3-35	...	5-0	5-0	6-0	16-0	...	2-0	3/9 per 7lb. packet
Special Mixed Rose Manure	27	Boans	Boans, Ltd.	...	...	5-0	...	...	...	...	14-0	...	9-0	12/8 per bag of 28lb.
Special Mixed Lawn Manure	28	do.	do.	...	...	...	...	...	...	...	15-0	...	...	£1 4/6 per bag of 56lb.
Rose Manure	31	Dawn	Dawn Fertilisers	...	...	5-0	...	10-3	1-52	0-91	12-7	...	1-64	...
No. 1	34	Superhumus	do.	...	...	2-0	...	1-8	0-5	0-2	2-5	...	2-0	...
No. 2	35	do.	do.	...	...	4-0	...	3-0	0-5	6-5	10-0	...	0-5	...
No. 1 Fertiliser	97	Apex	E. J. Fry Pty., Ltd.	...	...	5-0	...	3-5	1-0	4-5	9-0	...	...	£33 10/0 (W)
Rose Manure	98	do.	do.	...	...	3-0	...	5-0	2-0	6-0	13-0	...	9-0	£34 (P)
Fertiliser	102	Sprout-em	Kag Manufacturing Co., Ltd.	...	...	2-5	...	...	5-0	4-0	9-0	...	...	£38 (P)
No. 1	104	Wooltana	Wooltana Industries, Ltd.	...	...	3-0	...	...	...	13-0	13-0	...	...	£22 5/0 (P)
No. 2	105	do.	do.	...	...	2-0	...	2-0	...	9-0	11-0	...	...	£16 (W)
Organic Fertiliser	108	Wrights	Wrights, Ltd.	...	...	6-0	...	...	...	...	9-0	...	...	£25 (W)
Garden Fertiliser	119	Eclipse	The W.A. Meat Export Works	4-0	6-0

P denotes Perth. G denotes Geraldton. B denotes Bunbury.



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