Department of Primary Industries and Regional Development
GOVERNMENT OF WESTERN AUSTRALIA

Journal of the Department of Agriculture, Western Australia, Series 3

Volume 6
Number 1 *January-February, 1957*

Article 15

1-1957

List of registered stock foods

Follow this and additional works at: https://library.dpird.wa.gov.au/journal_agriculture3

Recommended Citation

(1957) "List of registered stock foods," *Journal of the Department of Agriculture, Western Australia, Series 3*: Vol. 6: No. 1, Article 15.
Available at: https://library.dpird.wa.gov.au/journal_agriculture3/vol6/iss1/15

This article is brought to you for free and open access by the Agriculture at Digital Library. It has been accepted for inclusion in Journal of the Department of Agriculture, Western Australia, Series 3 by an authorized administrator of Digital Library. For more information, please contact library@dpird.wa.gov.au.

STOCK FOODS

All foods for stock sold in Western Australia are required by the Feeding Stuffs Act, 1928-51, to be registered annually with the Department of Agriculture. For the purposes of the Act "Foods for Stock" includes stock licks, which in turn embrace all preparations claimed to supply or primarily intended to supply mineral matter to stock.

The registration year for stock foods commences on July 1 each year. When making application for registration manufacturers must submit a guaranteed analysis for each of their products, together with a list of ingredients used in each stock food. Regular inspection and sampling is carried out by officers of the Department to see that stock foods comply with the registered analysis.

Sellers of stock foods are required by the Feeding Stuffs Act to ensure that to each package is clearly and conspicuously attached a label or brand showing the name and place of business of the manufacturer or importer, the registered brand and name of the food or lick and the registered analysis.

A list of stock foods and stock licks which have been registered for the current registration year appears hereunder together with a list of results of analysis of official samples taken by Departmental inspectors.

Before purchasing any food or lick buyers are advised to consult the list of registered stock foods and stock lists from which a comparison of foods or licks of similar types can be made and also to ensure that packages are correctly labelled. If any doubts arise inquiries should be made at the Department of Agriculture, where information on the provisions and requirements of the Feeding Stuffs Act and advice on other aspects of stock feeding can be obtained.

Stock Food.	Applic. No.	Brand.	By whom Registered.	Materials from which Made.	Registered Analysis.						
					Crude Protein.	Crude Fat.	Crude Fibre.	Sodium Chloride (NaCl).	Phosphoric Acid (P_2O_5).	Calcium (Ca).	Other.
					% (Min.)	% (Max.)	% (Max.)	% (Max.)	% (Max.)	% (Max.)	%
A.—Simple Foods.											
1.—*Meat Meals.*											
Whale Meal	8	"N.W.W."	Nor-West Whaling Co., Ltd.	Whale meat and Bones	60·0	10·0 6·0*	1·0	0·8 0·4*	10·8 8·5*	9·5 7·5*	
Meat Meal	19	"MASTER"	Burridge & Warren Pty., Ltd.	Waste meat	40·0	13·0 5·0*	5·0	....	....	....	
Do.	36	"COOGEE"	Anchorage Butchers, Pty., Ltd.	Waste meat products	36·0	18·0	2·0	1·0 *Nil**	12·5 9·0*	12·5 8·0*	
Do.	110	"W.A.M.E."	The W.A. Meat Export Works	Meat, bone and blood	50·0	13·0	2·0	2·0 *Nil**	12·0 7·0*	11·0 6·0*	
Do.	161	"WATSONIA"	Watsons Foods Pty., Ltd.	Abattoir Offal	27·0	19·7 17·7*	1·5	....	17·3 15·3*	15·5 13·5*	
Do.	166	"MIDLAND"	Midland Junction Abattoir Board	Animal offal residues	50·0	18·0 15·0*	2·0	1·5 *Nil**	6·0 4·0*	5·5 3·5*	
2.—*Meat and Bone Meals.*											
Meat and Bone Meal	13	"VITA-MEAL"	Wrights, Ltd.	Animal waste	42·0	13·0 17·0*	2·0	1·5 0·4*	13·0 5·0*	15·0	
Do. do.	39	T.B. & S. in diamond, Albany	Thomas Borthwick & Sons (Aust.), Ltd.	Animal offals	45·0	20·0	4·0	....	10·0 8·0*	9·0 6·0*	
Protein Meal and Bone Meal	41	"CHAMPION"	Sims Cooper (Freezing Works) Pty., Ltd.	Meat Works offal	50·0	18·0 8·0*	5·0	1·0 0·2*	10·5 8·5*	8·0 5·0*	....
Do. do.	53	"IMPERIAL"	W. Angliss & Co. (Aust.), Pty., Ltd.	Animal meat, bones and livers	50·0	16·0 8·p*	2·0	....	....	....	....
Bone and Meat Meal	54	"KITCHENS"	J. Kitchen & Sons Pty., Ltd.	Animal fat and bone	42·5	10·0 7·0*	2·5	1·5 *Nil**	18·0 13·0*	15·2 11·0*	....
Do. do.	118	"APEX"	E. J. Fry Pty., Ltd.	Meat, bone and blood	37·0	12·0	2·0	1·0	15·0 5·0*	15·0 5·0*	....

Feeding Meat and Bone Meal	160	"MERCURY"	H. C. Sleigh, Ltd.	Animal Meat and bone	45·0	14·0 12·0*	1·5	0·7 0·6*	20·0 17·1*	13·0 11·3*	....
3.—*Liver Meals.*											
Liver Meal	52	"IMPERIAL"	W. Angliss & Co. (Aust.) Pty., Ltd.	Animal livers and lungs	65·0	18·0 10·0*	1·0	....	....	....	....
4.—*Whale Solubles.*											
Dried Whale Solubles....	7	NOR-WEST WHALING CO., LTD.	Nor-West Whaling Co., Ltd.	Whale meat, bones, etc.	82·0	0·4 0·1*	0·1	2·0 1·4*	1·4 1·1*	1·3 1·0*	....
5.—*Fish Meals.*											
Cray Meal	37	"ANCHO"	Anchorage Butchers Pty., Ltd.	Waste crayfish products	36·0	12·0 9·0*	10·0	3·5 2·5*	7·0 4·0*	14·0 11·0*	....
6.—*Milk Foods.*											
Dried Buttermilk Powder	35	"SUNNY WEST"	Sunny West Co-op. Dairies, Ltd.	Buttermilk	29·0	11·0 2·0*	0·5	3·0 1·0*	2·5 1·5*	1·5 0·5*	Moisture 9·7 Ash 8·6 Carbo. Hyd. 43·9
Krafco	55	"KRAFCO"....	Kraft Foods, Ltd.	Dried whey	10·0	1·0 0·5*	*Nil*	4·2 3·8*	2·4 1·0*	1·5 0·7*	Lactose 68·0
Skim Milk Powder	157	"PETERS"	Peters Creameries (W.A.) Pty., Ltd.	Skim milk	35·30	0·25*	1·0	1·78	2·41	1·29	Lactose 55·0
7.—*Wheat and Wheaten. By-Products.*											
Wheat Meal	28	"MILLERS"	W. H. Milne & Co.	Wheat	8·00	....	5·00	....	....	....	....
Do.	153	"C" MEAL	W. Thomas & Co. (W.A.), Ltd.	do.	8·0	....	10·0	....	....	....	....
8.—*Oats and Oaten By-Products.*											
9.—*Oil Seed Meals.*											
Lin Meal	16	"WESTERN"	David Gray & Co., Ltd.	Malt grains, linseed meal, yeast, whale solubles, pollard, wheat cereals, cobalt, chloride, copper sulphate, manganese sulphate	20·0	5·0*	7·0	1·5 0·5*	1·5 0·5*	1·0 0·15*	....
B.—Compound Foods.											
1.—*Cattle Foods.*											
16 per cent. Protein Dairy Food	9	"ENERGY"	Harvey Produce Supply	Wheat, barley, oats, bran, pollard, meat meal, bone flour, tech urea, linseed meal, sodium sulphate	16·0	2·0 1·0*	8·0	1·5 1·0*	1·0 0·5*	2·0 1·0*	....
11 per cent. Protein Dairy Food	10	do.	do. do. do.	Wheat, bran, pollard, barley, oats, bone flour, tech urea, sodium sulphate	11·0	2·0 1·0*	8·0	1·5 1·0*	1·0 0·5*	2·0 1·0*	....
11 per cent. Protein Cattle Meal	11	do.	do. do. do.	Wheat, barley, oats, bran, bone flour, tech urea	11·0	2·0 1·0*	10·0	1·5 1·0*	1·0 0·5*	2·0 1·0*	....
Cattle Food	47	"EVE-LYN"	Tropical Traders & Patersons, Ltd.	Gristed wheat, barley, rye, pollard, salt, limestone, chalk, herbs, animal charcoal, molasses, sulphur, sulphate iron, copper sulphate	5·0	2·0 1·0*	5·5	13·0 12·0*	4·25 3·25*	9·5 8·5*	Sulphur 3·6
Sweetened Dairy Meal	101	"WES-FARMERS"	Westralian Farmers, Co-op., Ltd.	Bran, pollard, wheat germ, coconut meal, peanut meal, brewers grain, rolled wheat, meat meal, bone meal, limestone, salt, blue stone	16·0	5·0 2·5*	10·0	3·5 2·0*	3·5 2·3*	2·5 2·0*	....
11 per cent. Sweetened Dairy Meal	102	do.	do. do. do.	Bran, pollard, oat meal, meat meal, bone meal, brewers grain, Limestone, salt, molasses	11·0	5·0 2·0*	10·0	2·0 0·5*	2·0 1·0*	2·5 2·0*	....
Special 11 per cent. Sweetened Dairy Meal	103	do.	do. do. do.	Bran, pollard, oat meal, molasses, bone meal, meat meal, urea, common salt	11·0	8·0 5·0*	7·0	3·0 2·0*	2·0 1·0*	2·0 1·0*	....

* Mininum.

STOCK FOODS—continued

Stock Food.	Applic. No.	Brand.	By whom Registered.	Materials from which Made.	Registered Analysis. Crude Protein.	Crude Fat.	Crude Fibre.	Sodium Chloride (NaCl).	Phosphoric Acid (P_2O_5).	Calcium (Ca).	Other.
Compound Foods—*contd.*					% (Min.)	% (Max.)	% (Max.)	% (Max.)	% (Max.)	% (Max.)	%
Cattle Foods—contd.											
11 per cent. Protein Sweet Dairy Food	139	"THOMAS"....	W. Thomas & Co. (W.A.), Ltd.	Pollard, bran, gristed grain, malt combings, rock phosphate, molasses, oyster flour, salt manganese sulphate, iodine, cobalt sulphate	11·0	1·5*	10·0	2·0 1·0*	2·5 1·0*	4·0 1·0*	Manganese 600 p.p.m. Iodine 10·2 p.p.m. Cobalt 30·0 p.p.m.
16 per cent. Protein Sweet Dairy Food	140	do.	do. do. do.	Pollard, bran, gristed grain, malt combings, rock phosphate, molasses, oyster flour, salt manganese sulphate, iodine, cobalt sulphate, tech urea	16·0	1·5*	10·0	2·0 1·0*	2·5 1·0*	4·0 1·0*	do. do.
16 per cent. Protein Sweet Dairy Food	141	do.	do. do. do.	do. do. do.	16·0	1·5*	8·0	2·0 1·0*	2·5 0·2*	4·0 0·75*	do. do.
32 per cent. Dairy Cake Concentrate	142	do.	do. do. do.	Linseed and peanut meal, coconut and whale meal, tech urea, pollard, bone flour, oyster flour, sodium chloride, manganese sulphate, iodine cobalt	32·0	1·5*	10·0	5·0 2·0*	8·5 3·5*	9·0 4·0*	do. do.
Sweet Dairy Food	156	"BROWNE'S"	Browne's Dairy, Ltd.	Bran, pollard, grain meals, brewers grain, phosphate urea, molasses, lime, salt, calcium cobalt, iodine	16·0	5·82 5·0*	14·9	2·0 1·0*	2·5 1·0*	4·0 1·0*	....
2.—*Calf Foods.*											
Calf Food	15	WESTERN	David Gray & Co., Ltd.	Malt grains, milk powder, yeast, whale solubles, pollard, wheat cereals, and trace elements	16·0	6·0*	7·5	1·5 0·5*	1·5 0·5*	1·00 0·15*	....
Do.	34	HARPER'S "STAR"	Robert Harper & Co., Ltd.	Wheat, oats, rice, barley, linseed, mustard, branning, whiting, salt, peas, condiments	12·0	2·5 *	10·0	2·0 1·0*	2·5 1·0*	1·0 0·25*	....
Do.	45	EVE-LYN	Tropical Traders & Patersons, Ltd.	Gristed wheat, barley, rye, pollard, linseed, salt, sugar, calk, turmeric, sodium bicarbonate, cream tarter, foenugreek, coriander, copper	8·5	2·0*	3·86	3·5 2·5*	1·25 0·25*	1·0 0·2*	Bicarbonate 66·45 Sulphur 1·75
Do.	57	KAF-O-VITE	Goldsbrough Mort & Co., Ltd.	Wheat and rice pollard, barley, wheat, meat, coconut, peanut, safflour and lucerne meals, calcium bone charcoal and sugar	16·0	7·0 6·0*	8·0	*nil*	2·5*	4·2*	....
Calf Meal "A-B" (A and D_3)	104	WESFARMERS	Westralian Farmers Co-op., Ltd.	Pollard, buttermilk, linseed meal, dried yeast, wheat meal, wheat germ, meat meal, limestone, bone meal, antibiotics and vitamins A and D_3	20·0	5·0 3·0*	3·0	2·0 0·5*	2·5 1·5*	1·5 1·0*	2000 10/per lb. Vita "A" Vita "D_3" 150 10/per lb.
20% Protein Vitamised Antibiotic Calf Food	138	THOMAS	W. Thomas & Co. (W.A.), Ltd.	Linseed and coconut meal, pollard, bone and oyster flour, salt, manganese sulphate, iodine, cobalt, stabilised vitamins A and D_3, procaine pencillin	20·0	2·5*	8·0	3·0 0·5*	2·5 0·2*	2·5 0·5*	Vita "A" 6,000,000 1U/Ton Vita "D_3" 1,800,000 1U/ton Manganese 60 p.p.m. Cobalt 3 p.p.m. Iodine 1·2 p.p.m.
3.—*Sheep Foods.*											
Sheep Nuts	1	WESTERN	Hemphill Gray Oil Mills Pty., Ltd.	Malt grains, yeast, linseed, meat meal, whale solubles, molasses, wheat, rye, barley	20·0	4·0 3·0*	7·5	1·5 0·5*	1·5 1·0*	2·5 1·0*	Cobalt, Copper, Trace Vitamin B.

Sheep Food	48	EVE-LYN	Tropical Traders & Patersons, Ltd.	Gristed wheat, barley, rye, pollard, salts, limestone, chalk, sulphur, animal charcoal, molasses, iron, trace copper, medicinal herbs	5·0	2·0 1·0*	5·0	13·5 12·5*	4·0 3·5*	9·6 8·6*	Sulphur 2·75
Maintenance Sheep Cubes	105	WESFARMERS	Westralian Farmers Co-op., Ltd.	Bran, pollard, wheat meal, wheat germ, peanut meal, meat meal, limestone, salt, cobalt and copper	14·0	6·0 4·5*	6·5	3·5 2·0*	3·5 2·3*	2·5 2·0*	....
Sheep Breeder Cubes	106	do.	do. do. do.	do. do. do.	18·0	8·5 7·5*	7·5	3·5 2·0*	4·5 3·5*	2·5 2·0*	....
11% Protein Vitamised Maintenance Sheep Nuts	149	THOMAS	W. Thomas & Co. (W.A.), Ltd.	Bran, pollard, grain meal, bone flour, molasses, oyster flour, sodium chloride and vitamins A and D_3	11·0	1·0*	15·0	2·0 1·0*	2·0 0·5*	3·5 1·5*	Manganese 60 p.p.m. Iodine 1·2 p.p.m. Cobalt 3 p.p.m. Vita "A" 6,000,000 1U/ton. Vita "D_3" 1,800,000 1U/ton.
21% Protein Vitamised Ewe Lamb and Breeder Nuts	150	do.	do. do. do.	Peanut and linseed meal, bran, pollard, urea, molasses, bone flour, oyster flour, sodium chloride, vitamins A and D_3	21·0	2·0*	11·5	4·0 2·0*	3·0 1·0*	4·0 2·0*	do. do.
4.—*Poultry Foods.*											
Laying Mash No. 1	12	WRIGHTS	Wrights, Ltd.	Bran, pollard, wheat meal, meat meal, whale meal, bone meal, gristed oats, oyster flour, common salt	16·0	6·0 3·0*	6·0	1·5 0·75*	3·0 1·0*	3·5 1·0*	....
Fattening Mash	24	MILLERS	W. H. Milne & Co.	Bran, pollard, gristed oats, meat meal, wheat meal, salt, limestone	13·0	6·0 3·0*	6·0	1·5 0·75*	3·0 1·0*	3·5 1·0*	....
Laying Mash Vit. "A" and "D_3" Fortified	27	do.	do. do. do.	Bran, pollard, wheat meal, whale meal, meat meal, bone meal, gristed oats, oyster flour, salt, vitamins A and D_3	16·0	6·0 3·0*	6·0	1·5 0·75*	3·0 1·0*	3·5 1·0*	Vita "A" 6,000,000 1U/ton. Vita "D_3" 600,000 1U/ton.
Laying Mash No. 1	29	do.	do. do. do.	Bran, pollard, wheat meal, meat meal, whale meal, bone meal, gristed oats, oyster flour, common salt	16·0	6·0 3·0*	6·0	1·5 0·75*	3·0 1·0*	3·5 1·0*	....
Laying Mash ("A" and "D_3")	30	do.	do. do. do.	Bran, pollard, wheat meal, meat meal, whale meal, gristed oats, oyster flour, salt, vitamins A and D_3	18·0	6·0 3·0*	6·0	1·5 0·75*	3·0 1·0*	3·5 1·0*	Vitamin "A" 6,000,000 1U/ton. Vitamin "D_3" 600,000 1U/ton.
"D" Fattening Mash....	68	MORLAY	R. B. Young Products	Pollard, rock phosphate, wheat, oyster flour, whale meal, meat meal	11·0	3·0*	5·5	2·0 0·25*	3·0 1·0*	4·0 1·5*	....
H.P. Laying Mash Vitamin ("A" and "D_3") Fortified	72	do.	do. do. do.	Bran, pollard, rock phosphate, wheat, oyster flour, whale meal, meat meal	20·0	3·0*	5·5	2·0 0·25*	3·0 1·0*	4·0 1·5*	....
H.P. Laying Mash 20% Protein	73	do.	do. do. do.	do. do. do.	20·0	3·0*	5·5	2·0 0·25*	3·0 1·0*	4·0 1·5*	....
Laying Mash	74	do.	do. do. do.	do. do. do.	16·0	3·0*	5·5	2·0 0·25*	3·0 1·0*	4·0 1·5*	....
Laying Mash "A" and "D_3" Vitamin Fortified	75	do.	do. do. do.	Bran, pollard, rock phosphate, wheat, oyster flour, whalemeal, meat meal, vitamins A and D_3	16·0	3·0*	5·5	2·0 0·25*	3·0 1·0*	4·0 1·5*	"A" and "D_3" ·06
Hi-Protein Mash	76	WESFARMERS	Westralian Farmers Co-op., Ltd.	Bran, pollard, wheat, meat meal, whalemeal, bone meal, shell dust	20·0	10·0 6·0*	8·0	0·5 0·1*	5·0 4·0*	2·5 1·5*	....
Hi-Protein Pellets	77	RED COMB	do. do. do.	do. do. do.	20·0	10·0 6·0*	8·0	0·5 0·1*	5·0 4·0*	2·5 1·5*	....
Hi-Protein Mash "A" and "D_3"	78	WESFARMERS	do. do. do.	Bran, pollard, wheat, meat meal, whale meal, bone meal, shell dust, Vitamin A and D_3	20·0	10·0 6·0*	8·0	0·5 0·1*	5·0 4·0*	2·5 1·5*	Vitamin "A" 6,640 1U/lb. Vitamin "D_3" 900 1U/lb.
Hi-Protein Pellets "A" and "D_3"	79	RED COMB	do. do. do.	do. do. do.	20·0	10·0 6·0	8·0	0·5 0·1*	5·0 4·0*	2·5 1·5*	do. do.
"P" All Mash	80	WESFARMERS	do. do. do.	Bran, pollard, rolled wheat, gristed oats, meat meal, or whale solubles, bone meal, oyster flour	16·0	6·0 4·0*	7·0	1·0 *nil**	3·5 2·3*	2·5 2·;*	....

* Minimum.

STOCK FOODS—continued

Stock Food.	Applic. No.	Brand.	By whom Registered.	Materials from which Made.	Registered Analysis. Crude Protein.	Crude Fat.	Crude Fibre.	Sodium Chloride (NaCl).	Phosphoric Acid (P_2O_5).	Calcium (Ca).	Other.
Compound Foods—*contd.* *Poultry Foods*—contd.					% (Min.)	% (Max.)	% (Max.)	% (Max.)	% (Max.)	% (Max.)	%
All Mash Pellets	81	RED COMB	Westralian Farmers Co-op., Ltd.	Bran, pollard, rolled wheat, gristed oats, meat meal, or whale solubles, bone meal, oyster flour	16·0	6·0 4·0*	7·0	1·0 *nil**	3·5 2·3*	2·5 2·0*	....
"P" All Mash "A" and "D_3"	82	WESFARMERS	do. do. do.	Bran, pollard, rolled wheat, gristed oats, meat meal, or whale solubles, bone meal, oyster flour, vitamins A and D_3	16·0	6·0 4·0*	7·0	1·0 *nil**	3·5 2·3*	2·5 2·0*	Vitamin "A" 3,300 1U/lb. Vitamin "D_3" 450 1U/lb.
All Mash Pellets "A" and "D_3"	83	RED COMB	do. do. do.	do. do. do.	16·0	6·0 4·0*	7·0	1·0 *nil**	3·5 2·3*	2·5 2·0*	do. do.
Fattening Mash	90	WESFARMERS	do. do. do.	Bran, pollard, oat meal, rolled wheat, meat meal	13·0	6·0 4·0*	7·0	1·0 *nil**	1·2 0·7*	1·0 0·5*	....
Fattening Pellets	91	RED COMB	do. do. do.	Bran, pollard, wheat, meat meal, whale meal, bone meal, shell	13·0	6·0 4·0*	7·0	1·0 *nil**	1·2 0·7*	1·0 0·5*	....
Cockeral Mash "A" AB ("A" and "D_3")	92	WESFARMERS	do. do. do.	Gristed wheat, bran, buttermilk, brewer's yeast, vitamin A and D_3, meat meal, whale meal, bone meal, manganese, sulphate	18·0	5·0 3·0*	7·0	1·0 *nil**	2·0 1·0*	2·0 1·0*	Vitamin "A" 2,000 1U/lb. Vitamin "D_3" 400 1U/lb.
Cockeral Mash "B" A and D3	93	"WES-FARMERS"	Westralian Farmers Co-op., Ltd.	Gristed wheat, bran, meat meal, meal, whale meal, bone meal, manganese, Vitamins A and D3	18·0	5·0 3·0*	7·0	1·0 *Nil**	2·0 1·0*	2·0 1·0*	Vitamin "A" 2,000 1U/lb. Vitamin "D3" 400 1U/lb.
Cockeral Pellets "A" A, B, A and D3	94	do.	do. do. do.	Gristed wheat, bran, buttermilk, brewers yeast, meat meal, whale meal, bone meal, manganese sulphate, antibiotics, Vitamins A and D3	18·0	5·0 3·0*	7·0	1·0 *Nil**	2·0 1·0*	2·0 1·0*	do do.
Cockeral Pellets "B" A and D3	95	do.	do. do. do.	Gristed wheat, bran, meat meal, whale meal, bone meal, manganese sulphate, vitamins A and D3	18·0	5·0 3·0*	7·0	1·0 *Nil**	2·0 1·0*	2·0 1·0*	do. do.
Laying Mash	113	"PARSONS"	Parsons Pty., Ltd.	Bran, pollard, gristed grains, wheatgerm, whale meal and solubles, meat meal, oyster flour, bone meal, rock phosphate, salt	16·0	2·5*	6·0	2·0 0·25*	3·5 1·0*	3·75 1·0*	....
Do.	114	"APEX"	E. J. Fry Pty., Ltd.	Wheat meal, bran, pollard, meat-meal, whale meal, bone meal, oyster flour	16·0	3·0*	6·0	1·0 0·25*	3·0 1·0*	3·0 2·3*	....
16% Protein Laying Mash No. 1 (All Mash)	127	THOMAS	W. Thomas & Co. (W.A.), Ltd.	Bran, pollard, gristed grains, wheatgerm, whale meal, salt, whale solubles or meat meal, oyster and bone flour, rock phosphate	16·0	2·5*	6·0	2·0 0·25*	3·5 1·0*	3·75 1·0*	....
16% Protein Laying Pellets No. 1 (All Pellets)	128	Do.	do. do. do.	Bran, pollard, gristed grains, wheatgerm, whale meal, whale solubles or meat meal, oyster and bone flour, rock phosphate	16·0	2·5*	6·0	2·0 0·4*	3·50 0·75*	3·75 1·0*	....
16% Protein Vitamised Laying Mash No.1 (All Mash)	129	do.	do. do. do.	Bran, pollard, gristed grain, wheat germ, whale meal and solubles or meat meal, oyster and bone flour, rock phosphate, salt, lucerne meal, stabilised vitamins A and D3	16·0	2·5*	6·0	2·0 0·5*	3·0 1·0*	3·75 1·0*	Vitamin "A" 6,000,000 1U/ton Vitamin "D3" 1,800,000 1U/ton

16% Protein Vitamised Laying Pellets No. 1 (All Pellets)	130	do.	do. do. do.	do. do. do.	16·0	2·5*	6·0	2·0 0·5*	3·5 0·75*	3·75 1·0*	do. do.
20% Protein Laying Mash	131	do.	do. do. do.	Bran, pollard, gristed grains, wheat germ, whale meal, salt, solubles or meat meal, oyster flour, bone flour or rock phosphate	20·0	2·5*	6·0	1·5 0·5*	7·0 2·0*	3·75 1·0*	....
20% Protein Laying Pellets	132	do.	do. do. do.	do. do. do.	20·0	2·5*	6·0	1·5 0·5*	7·0 2·0	3·75 1·0*	....
20% Protein Vitamised Laying Mash	133	do.	do. do. do.	Bran, pollard, gristed grains, wheat germ, whale meal or solubles or meat meal, oyster flour, bone flour, rock phosphate, sodium chloride, vitamins A and D3	20·0	2·5*	6·0	1·5 0·5*	7·0 2·0*	3·75 1·0*	Vitamin "A" 12,000,000 1U/ton Vitamin "D3" 3,600,000 1U/ton
20% Protein Vitamised Laying Pellets	134	do.	do. do. do.	do. do. do.	20·0	2·5*	6·0	1·5 0·5*	7·0 2·0*	3·75 1·0*	do. do.
13% Protein Vitamised Fattening Mash	135	do.	do. do. do.	Bran, pollard, gristed grains, wheat germ, whale meal, whale solubles or meat meal, oyster flour, Bone flour or rock phosphate, vitamins A and D3	13·0	2·0*	6·5	1·5 0·5*	3·5 1·0*	3·75 1·0*	Vitamin "A" 6,000,000 1U/ton Vitamin "D3" 4,800,000 1U/ton
13% Protein Vitamised Fattening Pellets	136	do.	do. do. do.	do. do. do.	13·0	2·0*	6·5	1·5 0·5*	3·5 1·0*	3·75 1·0*	do. do.
40% Vitamised Universal Poultry Concentrate	137	do.	do. do. do.	Whale meal, meat meal or fish meal, bone flour or rock phosphate, oyster flour, manganese sulphate, vitamins A and D_3, riboflavin, trace minerals	40·0	9·0*	1·5	0·4 0·2*	12·5 8·5*	20·5 18·5*	Vitamin "A" 40,000,000 1U/ton Vitamin "D_3" 4,000,000 1U/ton Vitamin "B_2" 12M. per gram
Special Laying Mash	165	"MAYCO"	Maylands Milling Co. Pty., Ltd.	Bran, pollard, wheat meal, meat meal, bone meal, shell, salt	17·0	4·0 3·5*	5·0	1·0 0·75*	3·0 2·5*	3·5 3·0*	....
Concentrate for Broilers	CLAR	K'S "CHECKER MIX"	Barrow Linton & Co.	Maize products, meat and bone meal, blood and liver meal, dried milk products, salt, limestone, bone flour, dicalcic phosphate, manganese sulphate, vitamins B_2, B_{12}, A and D_3	42·0	10·0 8·0*	2·0	2·0 *Nil**	8·0*	10·0*	Procain Penicillin
Concentrate for Breeders	172	do.	do. do.	do. do. do.	36·0	9·0 7·0*	2·0	4·5*	8·0*	17·0	....
Concentrate for Caged Layers	173	do.	do. do.	Lucerne meal, meat and bone meal, dried milk products, salt, limestone flour, bone flour, dicalcic phosphate, manganese sulphate, vitamins A and D_3, B_2, B_{12}	34·0	8·0 6·0*	6·0	3·5	8·p*	16·5	....
Concentrate for Penned Layers	174	do.	do. do.	Meat meal, bone and blood meal, salt, dried milk products, limestone, dicalcic phosphate, manganese sulphate, bone flour and vitamins A and D_3, B_2, B_{12}	38·0	9·0 8·0	2·0	5·0	8·5*	18·0*	....
Fattening Mash	177	"DUKKO"	do. do.	Bran, pollard, wheat meal, barley meal, ground oats and Checkermix Concentrate for Penned Layers	15·0	3·5	5·0	1·0	3·0	3·5	....
Laying Mash	178	"CHECKERMIX" EGG LAYER	do. do.	do. do. do.	18·2	4·3	4·9	Trace	1·0*	Trace	
Broilers Mash	181	"CHECKERMIX"	do. do.	Bran, pollard, wheat, barley, oats and broiler concentrate	17·0	3·5	6·0	0·5*	2·0*	1·0*	....
Penned Layers Mash	182	do.	do. do.	Bran, pollard, wheat, barley, oats, and penned Layers concentrate	15·5	4·0	7·0	0·5*	2·0*	2·5*	....
Breeders Mash	183	do.	do. do.	Bran, pollard, wheat, barley, oats and breeders concentrate	17·0	4·0	7·0	0·6*	2·0*	2·5*	....

* Minimum.

STOCK FOODS—continued

Stock Food.	Applic. No.	Brand.	By whom Registered.	Materials from which Made.	Registered Analysis. Crude Protein.	Crude Fat.	Crude Fibre.	Sodium Chloride (NaCl).	Phosphoric Acid (P_2O_5).	Calcium (Ca).	Other.
Compound Foods—*contd.*											
Poultry Foods—contd.					% (Min.)	% (Max.)	% (Max.)	% (Max.)	% (Max.)	% (Max.)	%
16% Protein All Mash Ration A and D_3	185	"D" HIGH ENERGY	W. Thomas & Co. (W.A.), Ltd.	Bran, pollard, oats whole or gristed, wheat and whale meal, liquid whale solubles, bone and oyster flour, vitamins A and D_3	16·0	2·5*	7·0	1·0 *Nil**	3·5 2·0*	2·5 2·0*	Vitamin "A" 6,000,000 1U/ton Vitamin "D_3" 1,800,000 1U/ton
16% Protein All Pellet Ration A and D_3	186	do.	do. do. do.	do. do. do.	16·0	2·5*	7·0	1·0 *Nil**	3·5 2·0*	2·5 2·0*	do. do.
16% Protein Chick All Mash Ration 0–12 weeks	187	do.	do. do. do.	Bran, pollard, fine gristed oats or barley, wheat, whale meal, dried butter or skim milk, brewers yeast, bone flour, ribon, vitamins A and D_3, salt, manganese sulphate, liver meal	16·0	3·0*	7·0	1·0 *Nil**	3·5 2·0*	2·5 2·0*	Vitamin "A" 6,000,000 1U/ton Vitamin "D_3" 1,800,000 1U/ton Ribon 6 gr. per ton
19% Protein Breeders Ration for Hens A and D_3	191	do.	do. do. do.	do. do. do.	19·0	4·0*	7·0	1·50 0·25*	4·75 2·25*	3·0 1·5*	do. do.
18% Protein Cockerel Grower Mash 1 B from 7-16 weeks	192	do.	do. do. do.	Bran, wheat meal, meat, whale and bone meal, ribon manganese, sulphate, antibiotic, vitamins A and D_3	18·0	2·5*	4·5	1·0 *Nil**	1·5 0·7*	1·0 0·5*	Vitamin "A" 6,000,000 1U/ton Vitamin "D_3" Mn 15 p.p.m. 1,000,000 1U/ton Ribon 6 gms. To/ton
18% Protein Cockerel Starter Mash 1A-0·6 weeks	193	do.	do. do. do.	Wheat meal, bran, dried buttermilk, meat meal, whale meal, bone flour, manganese sulphate, riboflavine, vitamins A and D_3, liver meal, antibiotics	18·0	2·5*	4·5	1·0 *Nil**	1·5 0·7*	1·0 0·5*	Vitamin "A" 6,000,000 1U/ton Vitamin "D_3" 1,000,000 1U/ton Ribon 6 gms. Mn 15 p.p.m.
5.—*Chick Foods.*											
Chick Starter	25	"MILLERS"	W. H. Milne & Co.	Bran, pollard, wheat meal, meat-meal, ribon, bone meal, salt gristed oats and vitamins A and D_3	16·0	6·0 3·0*	6·0	1·5 0·75*	3·0 1·0*	3·5 1·0*	Vitamin "A" 6,000,000 1U/ton Vitamin "D_3" 600,000 1U/ton
Chick Builder	26	do.	do. do.	Bran, pollard, wheat, bone and meat meal, gristed oats, salt, vitamins A and D_3	15·0	6·0 3·0*	6·0	1·5 0·75*	3·0 1·0*	3·5 1·0*	do. do.
No. 1 Chick Food	31	"ANCHOR"	G. Wood Son & Co. (W.A.) Pty., Ltd.	Peas, barley, wheat maize linseed, whale meal, bone grit, shellgrit	16·0	1·50*	6·0	0·2 0·02	2·0 0·5*	6·0 2·0*	....
Chick Food	32	"H & C"	Haynes & Clements	Wheat, maize, peas, grit	9·0	3·0 1·5*	4·5	....	....	....	CaO 3·0
Growing Mash, Vitamin Fortified A and D_3	69	"MORLAY"	R. B. Young Products	Bran, pollard, ribon, rock phosphate, wheat, oyster flour, whale meal, meat meal	14·0	3·0*	5·5	2·0 0·25*	3·0 1·0*	4·0 1·5*	....
Chick Starter	70	do.	do. do.	Chick grit, bone meal, Apac vitamins A and D_3, bran, antibiotics, nefco, yeast, wheat, whale and meat meals	18·0	3·0*	5·5	2·0 0·25*	3·5 1·0*	4·0 1·5*	....
Chick All mash Vitamins Fortified A and D_3	71	do.	do. do.	Bran, Apac, Vitamins A and D_3, wheat meal, whale meal, bone meal, meat meal, chick grit, Yeast	15·0	3·0*	6·0	2·0 0·25*	3·0 1·0*	4·0 1·5*	....
"P" Chick Mash "A" A B (A and D_3)	84	"WES-FARMERS"	Westralian Farmers Co-op., Ltd.	Bran, pollard, cracked wheat, oatmeal, meat meal, buttermilk, bone meal, antibiotics, vitamins A and D_3	16·0	5·0 3·0*	7·0	1·0 *Nil**	2·3 1·2*	1·3 0·8*	Vitamin "A" 2,000 1U/lb. Vitamin "D_3" 180 Cu/lb.

Chick Pellets "A" A B (A and D_3)	85	"RED COMB"	do. do. do	do. do. do.	16·0	5·0 3·0*	7·0	1·0 *Nil**	2·3 1·2*	1·3 0·8*	do.	do.
"P" Chick Mash "B" (A and D_3)	86	"WES-FARMERS"	do. do. do.	Bran, pollard, cracked wheat, oat meal, meat meal, buttermilk, bone meal, Vitamins A and D_3	15·0	5·0 3·0*	7·0	1·0 *Nil**	2·3 1·2*	1·3 0·8*	do.	do.
Chick Pellets "B" (A and D_3)	87	"RED COMB"	do. do. do.	do. do. do.	15·0	5·0 3·0*	7·0	1·0 *Nil**	2·3 1·2*	1·3 0·8*	do.	do.
"P" Growers Mash (A and D_3)	88	"WES-FARMERS"	do. do. do.	do. do. do.	14·0	5·0 3·0*	7·0	1·0 *Nil**	2·3 1·2*	1·5 1·0*	do.	do.
Growers Pellets (A and D_3)	89	"RED COMB"	do. do. do.	do. do. do.	14·0	5·0 3·0*	7·0	1·0 *Nil**	2·3 1·2*	1·5 1·0*	do.	do.
Special Chick Food	112	"PARSONS"	Parsons Pty., Ltd.	Wheat, green peas, maize, sorghum seed, shellgrit	8·0	1·5 0·5*	4·5	0·5 *Nil**	1·0 0·5*	4·0 3·0*	....	
Growers Mash (A and D_3	115	"APEX"	E. J. Fry Pty., Ltd.	Bran, pollard, wheat, meat and bone meal, buttermilk, vitamins (A and D_3)	15·0	3·0*	6·0	1·0 0·25*	2·0 1·1*	3·0 1·5*	Vitamin "A" 3,000 Vitamin "D_3" 300	
Chick Starter (A and D_3)	116	do.	do. do.	do. do. do.	17·0	3·0*	6·0	1·0 0·25*	2·0 1·1*	3·0 1·5*	do. do.	do. do.
Chick Food	117	do.	do. do.	Wheat, maize, peas, oats, shellgrit	10·0	3·0*	6·5	....	....	2·0*	....	
Chicken Grain	120	"THOMAS"....	W. Thomas & Co. (W.A.), Ltd.	Wheat, maize, peas, shellgrit	9·0	1·5*	4·5	....	....	....	....	
18% Protein Antibiotic Chick Starter (Nefco)	121	do.	do. do. do.	Bran, pollard, cereal meals, wheat germ, meat or whale meal, whale solubles, lucerne pollard, pea meal, bone meal or rock phosphate, oyster flour, ribon, procaine, pencillin, stabilised vitamins A and D_3, nitroflurozone (nefco)	18·0	2·5*	6·0	1·5 0·25*	3·0 1·0*	2·5 1·0*	Vitamin "A" 6,000,000 1U/ton Vitamin "D_3" 1,800,000 1U/ton	
18% Antibiotic Vitamised Chick Granules (Nefco)	122	do.	do. do. do.	do. do. do.	18·0	2·5*	6·0	1·5 0·25*	3·0 1·0*	2·5 1·0*	do.	do.
18% Protein Antibiotic Vitamised Chick Starter	123	do.	do. do. do.	Bran, pollard, cereal meals, wheat germ, meat or whale meal, whale solubles, lucerne pollard, pea meal, bone meal or rock phosphate, oyster flour, ribon, procaine, pencillin, stabilised Vitamins A and D_3	18·0	2·5*	6·0	0·25* 0·25*	1·0* 1·0*	1·0* 1·0*	do.	do.
Chick Granules	124	do.	do. do. do.	do. do. do.	18·0	2·5*	6·0	1·5 0·25*	3·0 1·0*	2·5 1·0*	do.	do.
Chick Grower	125	do.	do. do. do.	Bran, pollard, gristed grains, wheat germ, meat or whale meal or whale solubles, bone and oyster flour, rock phosphate, salt, ribon, stabilised vitamins A and D_3	15·0	2·5*	6·0	1·25 0·5*	3·5 1·0*	3·75 0·5*	do.	do.
15% Protein Vitamised Growers Pellets	126	do.	do. do. do.	Bran, pollard, gristed grains, wheat germ, meat or whale meal, or whale solubles, bone and oyster flour, rock phosphate, salt, ribon, stabilised vitamins A and D_3	15·0	2·5*	6·0	1·25 0·5*	3·5 1·0*	3·75 0·5*	do.	do.
Special Chick-Starter	163	"MAYCO"	Maylands Milling Co.	Bran, pollard, wheat meal, meat meal, bone meal, shellgrit, salt, ribo-flavine, emulsified fish oil	17·0	4·0 3·5*	5·0	1·0 0·75*	3·0 2·5*	3·5 3·0*	Manganese Sulphate ·025	
Growing Mash	164	do.	do. do.	do. do. do.	15·0	4·0 3·5*	5·0	1·0 0·75*	3·0 2·5*	3·5 3·0*	do.	do.
Concentrate for Growers	175	CLARKS "CHECKER MIX"	Barrow Linton & Co.	Maize products, salt, limestone, meat, bone and blood meals, dried milk products, bone flour, dicalcic phosphate, manganese sulphate, vitamins A and D_3, B_2, B_{12}	38·0	9·0 8·0*	2·0	4·0	8·5*	13·0*	....	

* Minimum.

STOCK FOODS—continued

Stock Food.	Applic. No.	Brand.	By whom Registered.	Materials from which Made.	Registered Analysis. Crude Protein.	Crude Fat.	Crude Fibre.	Sodium Chloride (NaCl).	Phosphoric Acid (P_2O_5).	Calcium (Ca).	Other.
Compound Foods—*contd.*											
Chick Foods—contd.					% (Min.)	% (Max.)	% (Max.)	% (Max.)	% (Max.)	% (Max.)	%
Concentrate for Chicks	176	CLARKS "CHECKER MIX"	Barrow Linton & Co.	Maize products, salt, limestone, meat, bone and blood meals, dried milk products, bone flour, dicalcic phosphate, manganese sulphate, vitamins A and D_3, B_2, B_{12}	42·0	9·0 8·0*	2·0	2·5	7·5*	9·5*	....
Growers Mash	179	"CHECKER MIX" ROWELL	do. do.	Bran, pollard, wheat and barley meals, ground oats and Checker-Mix Concentrate for Growers	17·4	4·5	4·6	Trace	1·0*	Trace	....
Chick Starter	180	"CHECKER-MIX" VITALIZER	do. do.	Bran, pollard, wheat and barley meals, ground oats, and Checker-Mix Concentrate for chicks	20·0	4·3	4·4	Trace	1·0*	Trace	....
16% Protein Chick Pellet Ration 0–12 weeks	188	"D" HI-ENERGY	W. Thomas & Co. (W.A.), Ltd.	Bran, pollard, fine gristed oats or barley, wheat, whale meal, dried butter or skim milk, brewers yeast, bone flour, ribon, vitamins A and D_3, manganese sulphate, liver meal, antibiotics	16·0	3·0*	7·0	1·0 *Nil**	2·3 1·2*	1·3 0·8*	Vitamin "A" 6,000,000 1U/ton Vitamin "D_3" 1,800,000 1U/ton Ribon 6 gms./ton Mn 33 p.p.m.
15% Protein Chick Growers Ration 13-18 weeks	189	do.	do. do. do.	Bran, pollard, fine gristed oats or barley, wheat, salt, whale meal, bone flour, vitamins A and D_3, manganese sulphate	15·0	3·0*	7·0	1·0 0·2*	2·3 1·2*	7·5 1·0*	Mn 33 p.p.m. Vitamin "A" 6,000,000 1U/ton Vitamin "D_3" 4,800,000 1U/ton
15% Protein Chick Pellets Growers Ration 13–18 weeks	190	do.	do. do. do.	Bran, pollard, fine gristed oats or barley, wheat, salt, whale meal, bone flour, vitamins A and D_3, manganese sulphate	15·0	3·0*	7·0	1·0 *Nil**	2·3 1·2*	1·5 1·0*	do. do.
Vitamised 16 % Chick Starter	195	"RICH FOODS"	A Richards & Co.	Bran, pollard, wheat meal, meat meal, buttermilk, yeast, oat meal, bone meal, micratized Vitamins A and D_3	16·0	5·0 3·0*	7·0	1·0 *Nil**	3·0 1·0*	3·0 0·8*	Vitamin "A" 2,000 1U/lb. Vitamin "D_3" 500 1U/lb.
15% Vitamised Growers Mash	198	do.	do. do.	Wheat meal, meat meal, whale meal, bran and pollard, oat meal, bone meal, vitamins A and D_3	15·0	5·0 3·0*	7·0	1·0 *Nil**	3·0 1·0*	3·0 0·8*	do. do.
6.—*Turkey Foods.*											
Turkey Starter Mash	96	"WES-FARMERS"	Westralian Farmers Co-op., Ltd.	Bran, pollard, gristed oats, wheat, buttermilk, dried yeast. meat meal, bone meal, stabilised vitamins A and D_3	24·0	5·0 3·0*	7·0	1·0 *Nil**	2·0 1·0*	2·0 1·0*	Vitamin "A" 4,000 1U/lb. Vitamin "D_3" 600 1U/lb.
Turkey Starter Pellets	97	do.	do. do. do.	do. do. do.	24·0	5·0 3·0*	7·0	1·0 *Nil**	2·0 1·0*	2·0 1·0*	do. do.
Turkey Growers Mash....	98	do. do.	do. do. do.	do. do. do.	20·0	5·0 3·0*	7·0	1·0 *Nil**	2·0 1·0*	2·0 1·0*	do. do.
Turkey Growers Pellets	99	do.	do. do. do.	do. do. do.	20·0	5·0 3·0*	7·0	1·0 *Nil**	2·0 1·0*	2·0 1·0*	do. do.
7.—*Pig Foods.*											
Pig Food	46	"EVE-LYN"	Tropical Traders & Patersons, Ltd.	Gristed wheat, barley and rye, pollard, salt, limestone, chalk sulphate, animal charcoal, sulphate iron, limonite, copper, coriander, arecearute, foenugreek	5·0	1·0*	5·0	9·6 8·6*	3·75 3·25*	9·5 8·5*	....

Pig Mash H.P.	66	"MORLAY"	R. B. Young Products	Pollard, rock phosphate, wheat meal, whale meal, meat meal, limestone	17·0	3·0*	6·0	2·0 0·25*	3·0 1·0*	4·0 1·0*	....
Pig Mash Standard	67	do.	do. do.	do. do. do.	14·0	3·0*	6·0	2·0 0·25*	3·0 1·0*	4·0 1·5*	....
Pig Mash	100	"WES-FARMERS"	Westralian Farmers Co-op., Ltd.	Bran, pollard, polled wheat, meat and bone meal, limestone, copper	16·0	7·0 5·0*	8·0	2·0 1·0*	3·5 2·3*	2·5 2·0*	....
18% Protein Antibiotic Vitamised Pig Starter	143	"THOMAS"....	W. Thomas & Co. (W.A.), Ltd.	Manganese, iodine, cobalt, vitamins A and D_3, pollard, wheat germ, gristed grains, meat or whale meal or solubles, oyster and bone flour or rock phosphate, salt, ribon, pencillin	18·0	2·5*	6·5	2·0 1·0*	3·75 1·0*	4·0 1·0*	6,000,000 1U/ton Vitamin "A" 1,800,000 1U/ton Vitamin D_3 Manganese 60 p.p.m. Cobalt 3 p.p.m. Iodine 1·2 p.p.m.
18% Protein Antibiotic Vitamised Pig Starter Pellets	144	do.	do. do. do.	do. do. do.	18·0	2·5*	6·5	2·0 1·0*	3·75 1·0*	4·0 1·0*	do. do.
16% Protein Antibiotic Vitamised Pig Grower	145	do.	do. do. do.	Manganese, iodine, cobalt, vitamins A and D_3, pollard, wheat germ, gristed grains, meat or whale meals or solubles, oyster and bone flour or rock phosphate, salt, Pencillin	16·0	2·5*	6·5	2·0 1·0*	3·5 1·0*	4·5 1·0*	do. do.
16% Protein Antibiotic Vitamised Pig Grower Cubes	146	do.	do. do. do.	do. do. do.	16·0	2·5*	6·5	2·0 1·0*	3·5 1·0*	4·5 1·0*	do. do.
14% Protein Pig Fattening Mash	147	do.	do. do. do.	Manganese, iodine, cobalt, pollard, wheat germ, gristed grains, meat or whale meal or solubles, oyster and bone flour or rock phosphate, salt ribon	14·0	2·5*	6·0	2·0 1·0*	3·75 1·0*	4·0 1·0*	Iodine 1·2 p.p.m. Cobalt 3·0 p.p.m. Manganese 60 p.p.m.
14% Protein Pig Fattening Cubes	148	do.	do. do. do.	do. do. do.	14·0	2·5*	6·5	2·0 1·0*	3·75 1·0*	4·0 1·0*	do. do.
8.—Horse Foods.											
Horse Food	44	"EVE-LYN"....	Tropical Traders & Patersons, Ltd.	Pollard, barley, gristed wheat, whole linseed, salt, chalk, iron, magnesium sulphate, sulphur, copper, sodium bicarbonate, med herbs	8·5	3·0 2·0*	7·0	5·0 4·5*	1·0 0·5*	1·75 0·75*	Sulphur 1·25
12% Protein Sweet Horse Food	151	"THOMAS"	W. Thomas & Co. (W.A.), Ltd.	Mill offal, grain meals, molasses, malt combings, bone flour, rock phosphate, oyster flour, salt, manganese sulphate, stabilised iodine, cobalt sulphate	12·0	1·5*	10·0	2·0 1·0*	2·5 1·0*	4·0 1·0*	Iodine 1·2 p.p.m. Cobalt 3·0 p.p.m. Manganese 60 p.p.m.
9.—Dog Foods.											
Puppy Meal	3	"SNAPS"	Snaps Dog Foods	Wheat, bone meat and vegetables	15·0	6·0 4·0*	2·0	0·6 0·3*	4·0 3·0*	4·5 3·5*	Carbohydrates 62·00
Charcoal Shapes	4	do.	do. do.	do. do. do.	14·0	5·0 3·0*	6·0	0·7 0·4*	3·0 2·0*	3·0 2·0*	do. do.
Plain Shapes	5	do.	do. do.	do. do. do.	15·0	5·0 4·0*	2·0	0·7 0·4*	4·0 3·0*	4·0 3·0*	do. do.
No. 1 Dog Biscuits	6	do.	do. do.	do. do. do.	15·0	5·0 4·0*	2·0	0·7 0·4*	4·5 3·0*	4·5 3·5*	do. do.
Dog and Cat Food	33	"TUCKER BOX"	Tucker Box Dog and Cat Food Co.	Meat and meat by-products, cereals, vegetables, salt	10·0	5·0 2·5*	0·5	1·0	....	....	....
Dog Meal A B (A and D_3)	109	"WES-FARMERS"	Westralian Farmers Co-op., Ltd.	Bran, pollard, meat meal, dried yeast, buttermilk, bone meal, salt, antibiotics, vitamins A and D_3	20·0	8·0 4·0*	5·0	2·0 1·0*	2·5 1·0*	3·0 1·0*	Vitamin "A" 4,000 1U/lb. Vitamin "D_3" 450 cu/lb.
20% Protein Kanine Kibbles	152	"THOMAS"	W. Thomas & Co. (W.A.), Ltd.	Predigested cereal meals, wheat germ, grain meals, meat meal, milk powder, molasses, oyster flour, bone flour, salt, potassium iodide vitamins A and D_3, B_1	20·0	1·0*	2·5	1·5 0·5*	2·5 0·5*	2·5 0·5*	Vitamin "A" 6,000,000 1U/ton Vitamin "D_3" 1,800,000 1U/ton

* Minimum.

STOCK FOODS—continued

Stock Food.	Applic. No.	Brand.	By whom Registered.	Materials from which Made.	Registered Analysis. Crude Protein.	Crude Fat.	Crude Fibre.	Sodium Chloride (NaCl).	Phosphoric Acid (P_2O_5).	Calcium (Ca).	Other.
					% (Min.)	% (Max.)	% (Max.)	% (Max.)	% (Max.)	% (Max.)	%
C.—Stock Licks.											
1.—*Bone Meal.*											
Whale Bone Meal	14	"WRIGHTS"	Wrights, Ltd.	Whale bone	8·5	....	....	1·0	27·0*	28·0*	....
Sterilized Bone Flour	20	TRI-CAL-OS	Davis Gelatine (Aust.) Pty., Ltd.	Bones	5·0	....	....	....	30·0*	....	Lime CaO 40%*
Sterilized Bone Grit	21	do.	do. do. do.	do.	5·0	....	....	....	30·0*	....	do. do
Bone Meal	38	"ANCHO"	Anchorage Butchers Pty. Ltd.	Waste meat products	23·63	2·44*	Trace	Trace	26·76*	....	Lime CaO 26·95
Do.	111	"W.A.M.E."	W.A. Meat Export Works	Selected bones	18·75	....	....	0·25	26·0*	....	Lime CaO 27·0
Do.	162	"WATSONS"	Watsons Foods Pty., Ltd.	Abattoir offal and bones	14·0	....	....	....	26·5*	....	Lime CaO 36·0
2.—*Oyster Flour.*											
Oyster Flour	40	"DEANS"	J. Deane & Son	Oyster, shell and lime	....	....	....	0·5	Trace	....	Lime CaO 50·0
Do.	154	"THOMAS"	W. Thomas & Co. (W.A.), Ltd.	Oyster, shell and lime	....	....	....	1·0	*Nil*	....	Lime CaO 42·0

Stock Food.	Reg. No.	Brand.	By whom Registered.	Materials from which Made.	Registered Analysis. Sodium Chloride (NaCl).	Phosphoric Acid (P_2O_5).	Lime (CaO).	Magnesia (MgO).	Iron (Fe).	Sulphur (S).	Iodine (Cu).	Copper (I).	Cobalt (Co).	Manganese (Mn).	Potassium (K).	Zinc (Zn).
					% (Max.)	% (Min.)	% (Min.)	% (Min.)	% (Min.)	% (Min.)	% (Min.)	% (Min.)	% (Min.)	% (Min.)	% (Min.)	% (Min.)
3.—*Mixed Stock Licks.*																
Denmark Cobalt Lick	2	"C.S.M.L."	Cuming Smith Mount Lyell	Limonite, sulphate of copper, salt	38·0	....	....	....	....	....	....	0·14	20·0 p.p.m.	....	(Limonite) 20·0	
Sheep Lick	17	"DAVID GRAYS"	David Gray & Co., Ltd.	Sodium chloride, trace elements, bone meal, yeast	80·0	1·0*	5·0*	....	1·2	3·3	150 p.p.m.	220 p.p.m.	92 p.p.m.	200 p.p.m.	50 p.p.m.	80 p.p.m.
Cattle Lick	18	do.	do. do.	Sodium chloride and various trace elements	80·0	1·0*	5·0*	....	1·2	3·3	150 p.p.m.	220 p.p.m.	92 p.p.m.	200 p.p.m.	50 p.p.m.	80 p.p.m.
Mineralized Supplement for Stock	22	"RAWLEIGHS"	The T. W. Rawleigh Co. Ltd.	Salt, sulphur, copperas, sodium phosphate, potassium iodide, calcium carbonate, cobalt sulphate, defluorinated phosphate, mineral oil, molasses and drug mixtures	15·0	12·24*	27·0*	Calcium (Ca) 13·42	1,000 p.p.m.	3·5*	220 p.p.m.		10 p.p.m.		80 p.p.m.	Sodium 70 p.p.m.
Poultry Powder Iodized	23	do.	do. do.	Oyster shell, sulphur, potassium iodide, copperas, iodine sulphate, ground bone, manganese sulphate, cobalt sulphate, zinc sulphate, quassin, defluorinated phosphate, mineral oils	16·5	38·7*	....	....	400 p.p.m.	4·0*	100 p.p.m.	40 p.p.m.	100 p.p.m.	120 p.p.m.	40 p.p.m.	100 p.p.m.

Rock Salt	43	"ELDERS"....	Elder Smith & Co., Ltd.	Sodium chloride marl	95·0	....	....	....	....	....	....	....	....	....	....	....
Tri-ca-phene "B"	49	"BLUE PETER"	Agricultural Products Co.	Phenothiazine, ground limestone, limonite, copper carbonate, cobalt sulphate, manganese oxide	1·0	....	32·0*	....	2·9*	Phenothiazine 19·0*		1,200* p.p.m.	224* p.p.m.	500* p.p.m.	....	....
Medicated Calcium	50	do.	do. do.	Ground limestone, limonite, copper carbonate, cobalt, sulphur, manganese oxide	1·0	....	45·0*	....	3·5*	....	....	1,500* p.p.m.	285* p.p.m.	600* p.p.m.	....	....
Medicated Salt Block "B"	51	do.	do. do.	Salt, ground limestone, limonite, copper, cobalt, sulphur, manganese	70·0	....	6·0*	....	1·5*	....	....	550* p.p.m.	95* p.p.m.	200* p.p.m.	....	....
Chic-a-vite	56	VITA-LICK	Goldsbrough Mort & Co., Ltd.	Bone flour, bone charcoal, ferrous sulphate, flowers of sulphur, sodium sulphate, gentian, cod liver oil, potassium iodide, meal from rice	....	20·2*	25·9*	....	1·7*	1·7*	....	Sodium Sulphate. 6·0*			....	....
Concentrated Cattle Lick	58	do.	do. do.	Bone flour, bone charcoal, sodium sulphate, flowers of sulphur, limonite, potassium iodide, copper sulphate, cobalt chloride	....	28·2*	36·1*	....	3·5*	0·45*	·034*	0·2*	·014*	....	....	....
Concentrated Cattle Lick "D"	59	do.	do. do.	Bone flour, bone charcoal, sodium sulphate, sulphur, limonite, potassium iodide	....	30·0*	38·75*	....	1·25*	2·0*	·017*	....	....	....	....	....
Concentrated "D" Cobaltised and Copperised	60	do.	do. do.	Bone flour, bone charcoal, sodium sulphate, limonite, potassium iodide, cobalt chloride, copper sulphate	....	30·0*	38·75*	....	1·25*	2·0*	·017*	0·2*	·014*	....	....	....
Concentrated "G"	61	do.	do. do.	Bone flour, bone charcoal, limonite, potassium iodide, flowers of sulphur	....	28·75*	37·0*	....	3·5*	2·0*	·017*	....	....	....	....	....
Concentrated "G" Cobaltised and Copperised	62	do.	do. do.	Bone flour, bone charcoal, limonite, potassium iodide, flowers of sulphur, copper sulphate, cobalt chloride	....	28·75*	37·0*	....	3·5*	2·0*	·017*	0·2*	·014*	....	....	....
Mineral Supplement for Pigs	63	"POR-CO-VITE"	do. do.	Bone flour, bone charcoal, sodium sulphate, flowers of sulphur, sodium chloride, limonite, calcium carbonate, copper sulphate, cobalt chloride, potassium iodide	14·0	19·14*	29·32*	....	0·62*	9·6*	·052*	1·0*	·003*	....	....	....
Mineral Food Supplement for Pigs	64	"WATKINS"	The J. R. Watkins Co.	Calcium carbonate, magnesium carbonate, dicalcic phosphate, bonechar, ferric oxide, ferrous sulphate, magnesium sulphate, ground sulphur, salt, mineral oil, granulated manganese oxide, cobalt sulphate, copper sulphate, zinc sulphate and potassium iodide	10·5	15·0*	33·8*	0·5*	1·1*	....	·0153*	·0129*	·01*	0·25*	....	·01*
Mineral Food Supplement	65	do.	do. do.	Dicalcic phosphate, rock phosphate, calcium, carbonate, Ferric oxide, magnesium sulphate, ferrous sulphate, sulphur, salt	9·0	15·5*	32·0*	0·7*	1·1*	....	·0176*	·0129*	·01*	·009*	....	·011*
Sheep Lick	107	"WES-FARMERS"	Westralian Farmers Co-op., Ltd.	Bone meal, salt, yeast, iron sulphate, copper sulphate, cobalt chloride, manganese sulphate, potassium iodide, sulphur, zinc sulphate	80·0	1·0*	5·0*	....	1·2*	3·3*	150 p.p.m.	220 p.p.m.	92 p.p.m.	200 p.p.m.	50 p.p.m.	80 p.p.m.
Cattle Lick	108	do.	do. do.	do. do. do.	80·0	1·0*	5·0*	....	1·2*	3·3*	150 p.p.m.	220 p.p.m.	92 p.p.m.	200 p.p.m.	50 p.p.m.	80 p.p.m.

* Minimum.

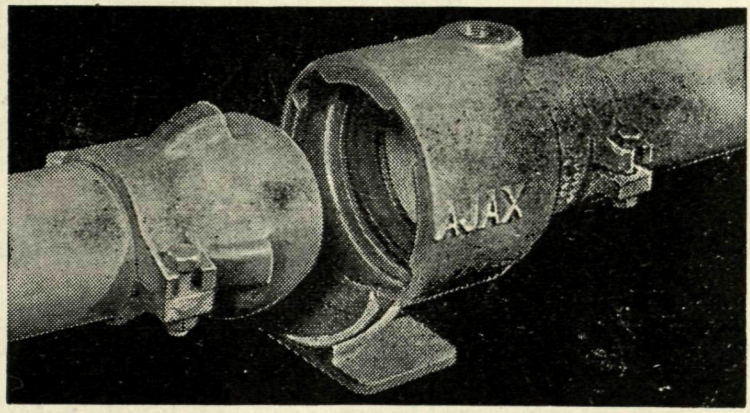
STOCK FOODS—continued

Stock Food.	Reg. No.	Brand.	By whom Registered.	Materials from which Made.	Registered Analysis. Sodium Chloride (NaCl).	Phosphoric Acid (P_2O_5).	Lime (CaO).	Magnesia (MgO).	Iron (Fe).	Sulphur (S).	Iodine (Cu).	Copper (I).	Cobalt (Co).	Manganese (Mn).	Potassium (K).	Zinc (Zn).
Mixed Stock Licks—continued.					% (Max.)	% (Min.)	% (Min.)	% (Min.)	% (Min.)	% (Min.)	% (Min.)	% (Min.)	% (Min.)	% (Min.)	% (Min.)	% (Min.)
Stock Conditioner	119	"LUFF'S BLUE LABEL"	Stam Products	Yeast, maize oil, meal, caramel, oil of aniseed, boric acid, thiommine hydrochloride, salts of iron, copper, manganese, zinc and cobalt	Vitamin "B_1" 29,700 1U/lb.			....	1,646 p.p.m.	Yeast. 1·78%		53·3 p.p.m.	49·6 p.p.m.	50·7 p.p.m.	....	56·4 p.p.m.
Phosphate Flour	155	"THOMAS"...	W. Thomas & Co. (W.A.), Ltd.	Ground rock phosphate	....	36·6*	42·0*	....	....	....	....	....	....	....	....	....
Cattle Lick	158	"BOVEX"	Chemex Products	Salt, rock phosphate, cobalt chloride, copper sulphate, manganese sulphate, iron and zinc oxide	75·0	4·0*	10·0*	....	0·78*	0·06*	....	0·06*	0·01*	0·05*	....	0·16*
Sheep Lick	159	"OVEX"	do.	do. do. do.	60·0	4·0*	10·0*	....	....	·10*	·78*	·06*	·075*	·06*	....	·20*
"G" Concentrated Sheep Lick	167	"VIC-LIC"	Wilcox Mofflin, Ltd.	Bone char, iron, limonite, potassium iodide, copper carbonate, cobalt chloride	1·0	28·0*	37·0*	....	5·8*	....	....	0·75*	·031*	....	....	....
Concentrated Cattle Lick	168	do.	do. do.	Bone char, iron, limonite, salt, potassium iodide	5·5	27·0*	36·0*	....	2·9*	....	....	....	....	....	....	....
"D" Concentrated Sheep Lick	169	do.	do. do.	Bone char, iron, limonite, sodium, sulphate, copper carbonate, cobalt chloride, potassium iodide	1·0	29·0*	38·0*	....	2·9*	....	....	0·75*	·031*	....	....	....
Mineralised Salt Block	170	do.	do. do.	Salt, pulverised limestone, iron, limonite, epsom salts, molasses, bone char, potassium iodide	53·0	4·5*	19·5*	0·16*	1·25*	....	Molasses. 3·0	....	....	....	....	....
V5 Vitamin Concentrate for Horses	184	DAY SON & HEWITT, LTD.	Boans, Ltd.	Vitamins "A," "B_2," "B_{12}," "D_2," "E_3"	Vitamin "A" 1,000 I.U.			Vitamin "D_3" 2,000 I.U.			Vitamin "B_2" 3 Mgm.			Vitamin "B_{12}" 8 Mgm. Vitamin "E" 10 Mgm.		

* Minimum.

AJAX IRRIGATION EQUIPMENT

ARE YOU IN DOUBT?



HERE IS THE ANSWER!

THE MOST MODERN ROBUST LIGHTWEIGHT COUPLING COMBINING ALL THE GOOD FEATURES OF EXISTING COUPLINGS PLUS ADDITIONAL REFINEMENTS

FEATURES

A. Can be coupled or uncoupled from the standing position at the point of balance.

B. Extreme flexibility — 32 deg. at each joint — follows contours and around corners easily.

C. Seals when pressure rises.

D. Guaranteed to drain quickly instantly pressure drops.

E. Any Pipe can be removed without disturbing the others.

F. Designed not to leak, jam or wear.

G. No Springs, Clamps, Clips or Latches.

H. Can be readily attached to any standard aluminium pipe on your property, and is available to replace the old style couplings fitted with troublesome springs, latches or clips.

I. May be used with any type of sprinkler.

J. Available with Towing Skids, Wheels or Stands.

K. This most economical Irrigation Coupling is now available from YOUR LOCAL HARDWARE STORE.

McPherson's Ltd.

532 MURRAY STREET, PERTH. BA9711

AND AT MELBOURNE, SYDNEY, ADELAIDE, BRISBANE

PRIMARY PRODUCERS!

Railway wagons are YOUR ASSETS DON'T WASTE THEM

PROMPT LOADING and UNLOADING means quicker turnround of wagons.

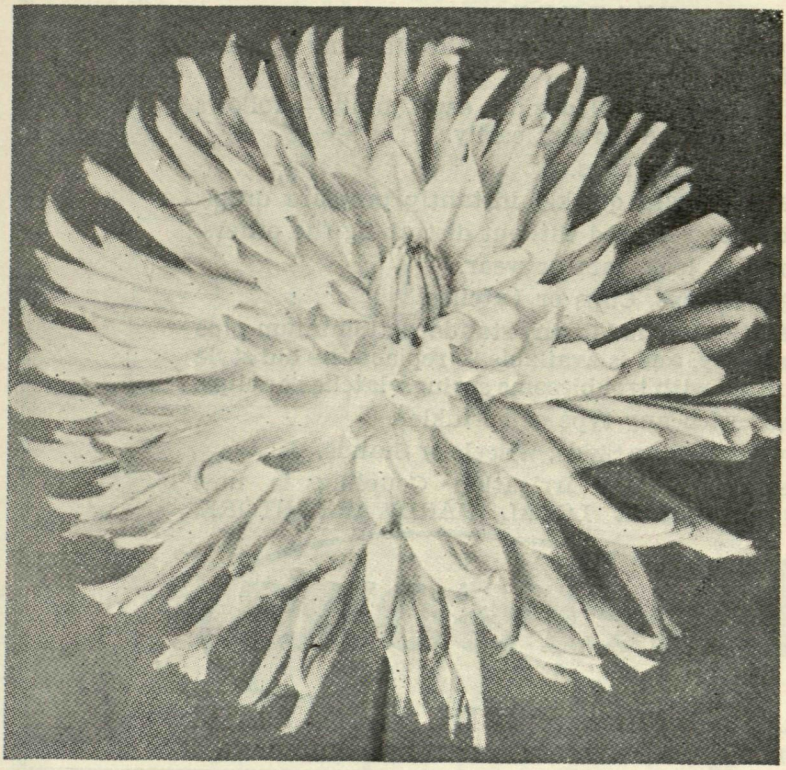
QUICKER TURNROUND means increased effective wagon loading capacity.

INCREASED CAPACITY means faster and better railway service for all.

BETTER SERVICE is our aim and **your** need. YOU CAN HELP yourself by helping Railways to keep the wagons moving.

- USE Government Railways **Insured Parcels** and **Cash on Delivery Parcels** systems
- ALSO, consign your goods at "Commission's Risk" and safeguard yourself

WESTERN AUSTRALIAN GOVERNMENT RAILWAYS



DAHLIAS

BULBS AVAILABLE

OCTOBER TO DECEMBER

Write for our Special List also our General Catalogue, both of which are free and Post Free

WILSON & JOHNS PTY. LTD.
74 BARRACK ST., PERTH
102 HIGH ST., FREMANTLE

SPECIALIST NURSERYMEN AND SEEDSMEN

Note our new City Telephone Number BF 3048—3 lines. Fremantle as usual L 2447