It increases the tonnage of compounds, concentrates and livestock mixtures which it is permissible to manufacture in any factory in 1948 or subsequent years to an amount equal to that manufactured in the twelve months ending 30th June, 1939.

It amends the percentages of ingredients contained in certain compounds and livestock mixtures.

The Feeding Stuffs (Regulation of Manufacture) Order, 1948 (Amendment) Order, 1948

1948 No. 2388

Made - - - -	*1st November,* 1948
Laid before Parliament	*2nd November,* 1948
Coming into Operation	*8th November,* 1948

In exercise of the powers conferred upon him by Regulations 55 and 55AA of the Defence (General) Regulations, 1939(**a**), as having effect by virtue of the Supplies and Services (Transitional Powers) Act, 1945(**b**) as extended by the Supplies and Services (Extended Purposes) Act, 1947(**c**), and of all other powers him enabling, the Minister of Food hereby makes the following Order:—

1. The Feeding Stuffs (Regulation of Manufacture) Order, 1948(**d**), shall be amended by substituting for the Schedules thereto the Schedules to this Order.

2. This Order may be cited as the Feeding Stuffs (Regulation of Manufacture) Order, 1948 (Amendment) Order, 1948 and shall come into force on the 8th day of November, 1948.

Dated the 1st day of November, 1948.

John Strachey,
Minister of Food.

(**a**) *See* Note, p. 15 above.
(**b**) 9 & 10 Geo. 6. c. 10; and S.R. & O. 1945 (Nos. 1611 and 1615–25) II, pp. 39 and 45–56.
(**c**) 10 & 11 Geo. 6. c. 55. (**d**) S.I. 1948, No. 1099, p. 529 above.

NOTE.—**Heavy type** in the Schedules which follow indicates changes made by this Order.

THE FIRST SCHEDULE

INGREDIENTS FOR COMPOUNDS AND CONCENTRATES

PART A.—COMPOUNDS

1. Any of the following or any product thereof, or any by-product thereof which contains not more than 16 per cent. by weight of fibre:—

- Barley
- Beans
- Dried grains (including distillery dreg)
- Dried potato products
- Locust beans
- Maize
- Malt culms (including rock culms and kiln dust)
- Oats
- Peas
- Rye
- Tares
- Wheat (including reconditioned wheat but excluding wheat germ)

2. Any cake or extracted meal produced from one or more of the following or any meal produced from any such cake:—

- Coconut (copra)
- Cottonseed
- Groundnut
- Hempseed
- Linseed
- Palm kernel
- Sesame seed (including til seed, gingelly seed and niger seed)
- Soya bean
- Sunflower seed

3. Feeding meat meal (including feeding meat and bone meal and feeding dried blood):—

- Fish meal (including herring meal)
- Licensed concentrates
- Molasses
- Rice bran (including rice meal and rice offals)
- Whale meat meal (including whale meat and bone meal)
- Wheat by-products other than wheat germ

PART B.—CONCENTRATES

Any of the following:—

Cod liver oil and other vitamin potent oils

Dried grass meal (including alfalfa, lucerne, clover meal and other similar meals) containing not less than thirteen per cent. of protein

Dried liver meal **(including dried whale liver meal)**

Dried milk products **(including whey paste)**

Dried yeast

Feeding meat meal (including feeding meat and bone meal and feeding dried blood)

Fish meal (including herring meal)

High protein oilseed cake

Whale meat meal (including whale meat and bone meal)

Wheat germ

THE SECOND SCHEDULE

CONDITIONS AS TO CONTENT

PART A.—COMPOUNDS

1. NATIONAL CATTLE FOOD No. 1 (DAIRY RATION)

The compound shall—	Percentage by Weight Minimum	Maximum
(*a*) conform to the following analysis:—		
Oil	3	6
Albuminoids (protein)	16	21
Fibre	—	10
Calcium expressed as calcium carbonate ...	2	3½
Chlorine expressed as sodium chloride ...	1	1½
(*b*) contain the following:—		
Wheat by-products	10	25
Cereals	25	—
Low protein oilseed cake	5	20
High and medium protein oilseed cake ...	15	—
Undecorticated oilseed cake and undecorticated oilseed cake meal (or any one or more of them)	—	15
Ground chalk and limestone flour (or either of them)	1½	2

2. NATIONAL CATTLE FOOD No. 2 (DAIRY RATION)

The compound shall—		
(*a*) conform to the following analysis:—		
Oil	3	6
Albuminoids (protein)	17	21
Fibre	—	10
Calcium expressed as calcium carbonate ...	2	3½
Chlorine expressed as sodium chloride ...	1	1½
(*b*) contain the following:—		
Wheat by-products	10	25
Cereals	25	—
High and medium protein oilseed cake ...	20	—
Undecorticated oilseed cake and undecorticated oilseed cake meal (or any one or more of them)	—	15
Low protein oilseed cake	5	15
Ground chalk and limestone flour (or either of them)	1½	2

3. NATIONAL CATTLE FOOD No. 3 (RATION FOR REARING YOUNG STOCK)

(1) The compound shall—		
(*a*) conform to the following analysis:—		
Oil	3	6
Albuminoids (protein)	18	23
Fibre	—	8½
Calcium expressed as calcium carbonate ...	2	3½
Chlorine expressed as sodium chloride ...	1	1½

	Percentage by Weight	
(*b*) contain the following:—	Minimum	Maximum
Wheat by-products	10	**25**
Cereals	25	—
Low protein oilseed cake	—	15
Linseed cake	10	—
High protein oilseed cake	10	—
Undecorticated groundnut cake and undecorticated groundnut meal (or either of them)	—	5
Ground chalk and limestone flour (or either of them)	1½	2

(2) The compound shall not contain any undecorticated cottonseed cake or undecorticated cottonseed cake meal.

4. National Horse Food (for Town and other Working Horses)

(1) The compound shall—

(*a*) conform to the following analysis:—		
Oil	3	5
Albuminoids (protein)	13	16
Fibre	—	10
Calcium expressed as calcium carbonate ...	1	1½
Chlorine expressed as sodium chloride ...	—	1
(*b*) contain the following:—		
Wheat by-products	10	30
Oats	10	30
Barley	10	20
Maize	10	20
Beans	—	15
Linseed cake	7½	10
Low protein oilseed cake	15	20
Molasses	5	7½

(2) Brewers dried grains may be substituted for wheat by-products up to a maximum of 15 per cent. by weight of the completed compound.

5. National Pig Food No. 1 (Sow and Weaner Ration)

(1) The compound shall—

(*a*) conform to the following analysis:—		
Oil	—	4½
Albuminoids (protein)	16	19
Fibre	—	8½
Calcium expressed as calcium carbonate ...	1½	2½
Chlorine expressed as sodium chloride ...	—	¾
(*b*) contain the following:—		
Wheat by-products	12½	**30**
Total cereals	30	—
Wheat	—	10
Oats	—	15
Low protein oilseed cake	—	15
Any animal protein rich substances ...	2½	7½
Molasses	—	5

(2) Any of the compound manufactured during the months of October to April inclusive shall contain cod liver oil equivalent to either:—

(*a*) not less than one per cent. of cod liver oil containing 500 international units of Vitamin A and 50 B.S.I. units of Vitamin D per gramme, or

	Percentage by Weight	
	Minimum	Maximum

(*b*) not less than one-half of one per cent. of cod liver oil, containing 800 international units of Vitamin A and 100 B.S.I. units of Vitamin D per gramme.

(3) The compound shall not contain any cottonseed cake or cottonseed meal (decorticated or undecorticated).

6. NATIONAL PIG FOOD No. 2 (FOR FATTENING PIGS)

(1) The compound shall—

(*a*) conform to the following analysis:—

Oil	—	4½
Albuminoids (protein)	13	16
Fibre	—	9
Calcium expressed as calcium carbonate ...	1	2½
Chlorine expressed as sodium chloride ...	—	½

(*b*) contain the following:—

Wheat by-products	12½	**30**
Total cereals	30	—
Wheat	—	15
Oats	—	15
Low protein oilseed cake	—	15
Any animal protein rich substances ...	2½	7½
Molasses	—	5

(2) The compound shall not contain any cottonseed cake or cottonseed meal (decorticated or undecorticated).

7. NATIONAL POULTRY FOOD No. 1 (LAYING MASH OR PELLETS FOR SUMMER FEEDING)

(1) The compound shall—

(*a*) conform to the following analysis:—

Oil	2½	—
Albuminoids (protein)	16	19
Fibre	—	9
Calcium expressed as calcium carbonate ...	2½	6
Chlorine expressed as sodium chloride ...	½	1

(*b*) contain the following:—

Wheat by-products	12½	**30**
Cereals	30	—
Low protein oilseed cake	—	15
Any animal protein rich substances ...	2½	7½
Molasses	—	5

(2) The compound shall not contain any cottonseed cake or cottonseed meal (decorticated or undecorticated).

8. NATIONAL POULTRY FOOD No. 1A (LAYING MASH OR PELLETS FOR WINTER FEEDING AND FOR BATTERY KEPT BIRDS)

(1) The compound shall—

(*a*) conform to the following analysis:—

Oil	2½	—
Albuminoids (protein)	16	19
Fibre	—	9
Calcium expressed as calcium carbonate ...	2½	6
Chlorine expressed as sodium chloride ...	½	1

	Percentage by Weight	
	Minimum	Maximum
(*b*) contain the following:—		
Wheat by-products	12½	**30**
Cereals	30	—
Low protein oilseed cake	—	15
Any animal protein rich substances ...	2½	7½
Molasses	—	5

(2) The compound shall contain cod liver oil equivalent to either—

(*a*) not less than one per cent. of cod liver oil containing 500 international units of Vitamin A and 50 B.S.I. units of Vitamin D per gramme, or

(*b*) not less than one half of one per cent. of cod liver oil containing 800 international units of Vitamin A and 100 B.S.I. units of Vitamin D per gramme.

(3) The compound shall not contain any cottonseed cake or cottonseed meal (decorticated or undecorticated).

9. NATIONAL POULTRY FOOD No. 2 (GROWERS' MASH OR PELLETS FOR SUMMER FEEDING)

(1) The compound shall—

(*a*) conform to the following analysis:—		
Oil	2½	—
Albuminoids (protein)	15	18
Fibre	—	9
Calcium expressed as calcium carbonate ...	2½	3½
Chlorine expressed as sodium chloride ...	¼	1
(*b*) contain the following:—		
Wheat by-products	12½	**30**
Cereals	30	—
Low protein oilseed cake	—	15
Any animal protein rich substances ...	2½	7½
Molasses	—	5

(2) The compound shall not contain any cottonseed cake or cottonseed meal (decorticated or undecorticated).

10. NATIONAL POULTRY FOOD No. 2A (GROWERS' MASH OR PELLETS FOR WINTER FEEDING)

(1) The compound shall—

(*a*) conform to the following analysis:—		
Oil	2½	—
Albuminoids (protein)	15	18
Fibre	—	8½
Calcium expressed as calcium carbonate ...	2½	3½
Chlorine expressed as sodium chloride ...	¼	1
(*b*) contain the following:—		
Wheat by-products	12½	**30**
Cereals	30	—
Low protein oilseed cake	—	15
Any animal protein rich substances	2½	7½
Molasses	—	5

(2) The compound shall contain cod liver oil equivalent to either—

(*a*) not less than one per cent. of cod liver oil containing 500 international units of Vitamin A and 50 B.S.I. units of Vitamin D per gramme, or

	Percentage by Weight Minimum	Maximum
(*b*) not less than one half of one per cent. of cod liver oil containing 800 international units of Vitamin A and 100 B.S.I. units of Vitamin D per gramme.		

(3) The compound shall not contain any cottonseed cake or cottonseed meal (decorticated or undecorticated).

11. NATIONAL BABY CHICK FOOD (BABY CHICK MASH OR PELLETS)

(1) The compound shall—

(*a*) conform to the following analysis:—

Oil	2½	—
Albuminoids (protein)	16	20
Fibre	—	6
Calcium expressed as calcium carbonate	2½	4
Chlorine expressed as sodium chloride	¼	¾

(*b*) contain the following:—

Wheat by-products	15	30
Maize	25	35
Dried potato products	—	15
Barley	15	20
Oats	—	20
Wheat	—	20
Any animal protein rich substances of which not less than 5 per cent. by weight of the completed compound shall be fish meal including herring meal	7½	10
Dried milk products **(including whey paste)**	**5**	**6**
Molasses	—	5

(2) The compound shall contain cod liver oil equivalent to either—

(*a*) not less than one per cent. of cod liver oil containing 500 international units of Vitamin A and 50 B.S.I. units of Vitamin D per gramme, or

(*b*) not less than one half of one per cent. of cod liver oil containing 800 international units of Vitamin A and 100 B.S.I. units of Vitamin D per gramme.

(3) One half per cent. unextracted dried yeast may be substituted for each one per cent. of dried milk products.

(4) " D " flour may be substituted for wheat by-products up to a maximum of 10 per cent. by weight of the completed compound.

(5) The compound shall not contain any—

(*a*) rye, rye products or rye by-products;
(*b*) re-conditioned damaged grain;
(*c*) cottonseed cake or cottonseed meal (decorticated or undecorticated);
(*d*) rapeseed products or rapeseed by-products;
(*e*) low protein oilseed cake.

NOTES

1. The following ingredients may be in the form of licensed concentrates:—
Animal protein rich substances;
High protein oilseed cake;
Dried milk products **(including whey paste)**;
Minerals;
Cod liver oil or cod liver oil substitutes as prescribed in this Order.

2. Where cod liver oil is prescribed as an ingredient, substances other than cod liver oil may be used in its place;
Provided that—

(*a*) the Vitamin A and Vitamin D contents thereof are not less than those prescribed for cod liver oil;

(*b*) such substances are warranted in writing by the maker thereof to be fully effective for poultry in accordance with the Chick Test of the British Standards Institution.

3. Where " D " flour is authorised as an ingredient, flour sweepings and/or sack shakings may be used in its place.

4. The conditions relating to the oil, albuminoid and fibre content found on analysis are subject to the limits of variation specified in the Fertilisers and Feeding Stuffs Regulations, 1932.

PART B.—LIVESTOCK MIXTURES

Column 1	Column 2	Column 3	
Description of Livestock Mixture	Conditions as to the ingredients which the Livestock Mixture may contain*	Conditions as to proportions of ingredients	
		Percentage by Weight	
		Minimum	Maximum
National Horse Feed Mixture	Any two or more of the following :— Oats, barley, maize, beans, wheat by-products, dried grains, licensed molassed feeding stuffs	—	—
National Horse Chop Mixture No. 1.	Oats and crushed oats and beans and kibbled beans (or any one or more of them)	35	40
	Wheat by-products and dried grains (or any one or more of them) ...	10	15
	Chopped hay	35	50
	Chopped straw	—	15
National Horse Chop Mixture No. 2.	Oats and crushed oats and beans and kibbled beans (or any one or more of them)	50	55
	Wheat by-products and dried grains (or any one or more of them) ...	10	20
	Chopped hay	25	35
	Chopped straw	—	10
National Cereal Mixture ...	Ground barley, ground wheat, maize meal, maize products, ground oats and ground dredge corn (or any one or more of them)	40	60
	Wheat by-products	—	40
	Low protein oilseed cake	5	15
	Licensed molassed feeding stuffs, dried grains and malt culms (or any one or more of them)	—	15
National Poultry Corn No. 1.	Oats and clipped oats (or either of them)	—	40
	Maize	—	40
	Wheat	—	40
	Barley	—	40
	Rye	—	20
National Chick Feed.	Cut wheat	40	80
	Fine or coarse maize grits	20	60

* No livestock mixture mentioned in the first column of the foregoing table shall contain any ingredient not specified opposite to such livestock mixture in the second column of such table.

THE THIRD SCHEDULE

PERMITTED INGREDIENTS OF COMPOUNDS AND CONCENTRATES

PART A

1. Any of the following or any product or by-product thereof:—

Barley.
Beans.
Buckwheat.
Dari.
Dredge corn.
Dried grains (including distillery dreg).
Dried potato products.
Gram.
Kaffir corn.
Lentils.
Locust beans.
Maize.
Malt culms (including rock culms and kiln dust).
Millet.
Oats.
Peas.
Rice.
Rye.
Soya beans.
Screenings from wheat, oats or barley.
Tares.
Wheat (including reconditioned wheat).

2. Any cake or extracted meal produced from one or more of the following or any meal produced from any such cake or extracted meal:—

Coconut (copra).
Cottonseed.
Groundnut.
Hempseed.
Kapokseed.
Linseed.
Palm kernels.
Rapeseed.
Sesame seed (including til seed, gingelly seed and niger seed).
Sheanut.
Soya bean.
Sunflower seed.

3. Biscuit meal.

Cocoa shell, husk or bran having a theobromine content not exceeding 1.3 per cent.
Cod liver oil and other vitamin potent oils.
Dried milk products (including whey paste).
Dried grass meal (including alfalfa, lucerne, and clover meals and other similar meals) containing not less than thirteen per cent. of protein.
Dried liver meal **(including dried whale liver meal).**
Dried sugar beet pulp (plain or molassed).
Dried egg powder certified by or on behalf of the Minister as unfit for human consumption.
Dried yeast.
" D " flour.
Feeding meat meal (including feeding meat and bone meal and feeding dried blood).
Feeding bone flour.
Fish meal (including herring meal).

Flour sweepings and sack shakings.
Ground bone.
Greaves.
Ground tapioca roots (including tapioca flour, manioc meal, mandioca meal, cassava meal and tapioca ampas).
Herbs.
Licensed concentrates.
Licensed molassed feeding stuffs.
Liquorice root.
Malt.
Minerals.
Molasses.
Riboflavin
Rice bran (including rice meal and rice offals).
Spices.
Whale meat meal (including whale meat and bone meal).

PART B

Column 1	Column 2
Ingredients	Permitted Use
1. Cocoa shell, husk or bran having a theobromine content not exceeding 1·3 per cent.	In National Cattle Foods Nos. 1 and 2 in quantities not exceeding 2½ per cent. of the completed compound.
2. **Dried milk powder, dried buttermilk powder, dried whey powder.**	**In National Baby Chick Food and under special licence.**
3. Feeding bone flour, feeding bone meal, any other bone product for feeding purposes and dicalcium phosphate.	In National Cattle Foods, National Horse Food, National Pig Foods and National Poultry Foods in quantities not exceeding 2 per cent. of the completed compound.
4. Limestone flour and ground chalk	In National Cattle Foods, National Horse Food, National Pig Foods, National Poultry Foods Nos. 2 and 2A and National Baby Chick Food in quantities not exceeding 2 per cent. of the completed compound and in National Poultry Foods Nos. 1 and 1A, not exceeding 4½ per cent.
5. Iodine and iodine derivatives other than potassium iodide.	Only under special licence.

EXPLANATORY NOTE

(This Note is not part of the Order but is intended to indicate its general purport.)

This Order makes changes in the maximum proportion of wheat by-products which may be included in certain compounds. It also makes alterations in the permitted ingredients of certain compounds and concentrates and in the formula for National Baby Chick Food.