

Voluntary Report – Voluntary - Public Distribution

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Report Name: New Feed Additives and Ingredients Announced

Country: China - People's Republic of

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Report Highlights:

On July 21, 2023, the People's Republic of China (PRC) Ministry of Agriculture and Rural Affairs (MARA) announced its approval of two new varieties of feed additives, four feed ingredients, and modifications to the feed additives and ingredients catalogs. This report contains an unofficial translation of the announcement and the revised parts of the catalogs for feed additives and ingredients. U.S. exporters should note that the original catalog in Chinese is the final authority for interpretation. Exporters should consult with their importers for registration or listing requirements before exporting to China.

Summary

On July 21, 2023, MARA released [Announcement No. 692](#) (link in Chinese) on the approval and addition of two new feed additive varieties (*Kluyveromyces marxianus* (CGMCC 10621) and red clover extract (active substances: Formononetin and Biochanin A)) in the feed additives catalog and four new ingredients in the feed ingredients catalog. The announcement also expanded the use scope for Ethanol Clostridium Protein in the feed ingredients catalog and Chromium Methionine Chelate in the feed additives catalog, modified the attributes description for eggs in the feed ingredient catalog, and added L-ascorbic acid under the category of preservatives in feed additives.

Companies interested in exporting feed additives or ingredients to China must ensure their products are approved for use in the PRC, i.e., featured in the feed additives or feed ingredients catalog and listed by the General Administration of Customs of the People's Republic of China (GACC) before products are shipped.

Please refer to FAS GAIN Report [CH2021-0079](#) and FAS GAIN Report [CH2021-0081](#) for earlier unofficial translations of the full catalogs. The most recent complete feed additives and feed ingredients catalogs were published in November 2022 under MARA Announcement No. 2045 ([link in Chinese](#)) and No. 614 ([link in Chinese](#)) respectively. Please reach out to agbeijing@usda.gov with any questions regarding these translations or specific feed additives or ingredients.

This report contains an unofficial translation of the announcement and the revised information in the catalogs.

BEGIN UNOFFICIAL TRANSLATION

Announcement No. 692 of the Ministry of Agriculture and Rural Affairs of People's Republic of China

Publication date: July 21, 2023

Effective date: July 21, 2023

According to the “Regulations on the Administration of Feed and Feed Additives” and “Administrative Measures for New Feed and New Feed Additives,” the Ministry of Agriculture and Rural Affairs (MARA) organized the National Feed Review Committee to review the application materials for new feed and new feed additive products submitted by applicants, and decided to approve *Kluyveromyces marxianus* (CGMCC 10621) and red clover extracts (active substances: Formononetin and Biochanin A) as new feed additives, expand the scope of application for some feed additive varieties, and make additions and revisions to the Feed Ingredients Catalogue. The relevant matters are hereby announced as follows.

1. Approval of two new feed additive varieties

Kluyveromyces marxianus (CGMCC 10621), jointly applied for by Fudan University and Wuhan Sunhy Biology Co., Ltd., and red clover extracts (active substances: Formononetin and Biochanin A), jointly applied for by Beijing Institute of Animal Husbandry and Veterinary Medicine, Chinese Academy of Agricultural Sciences, Hunan Phyto-way Plant Resources Co., Ltd., and China Excellent Milk Academy (Tianjin) Co., Ltd. were approved as new feed additives. They are allowed to be produced, operated, and used within the territory of the People's Republic of China and new feed and feed additives products certificates were issued (see Appendix 1 for the feed and feed additives new product information). Relevant product standards (see Appendix 2 and Appendix 3 for the product standards including instructions and labels) were issued at the same time. Product standards, instruction manuals, labels, and testing methods standards shall be implemented from the date of the Announcement. The product monitoring period is from the date of release to the end of July 2028. Production enterprises should collect information on product quality stability and its impact on animal product quality and safety, then report to MARA after the monitoring period ends.

2. Addition of four feed ingredients into the Feed Ingredients Catalog

- (1) Isochrysis powder is approved and added into the Feed Ingredients Catalog (see Appendix 4 for the revised list in Feed Ingredients Catalog) under serial number 7.5.11. Feature description is the algae powder formed by using natural species of *Isochrysis sp.* as raw material and urea as a nitrogen source, cultured in a photobioreactor, concentrated to obtain algae extract, then dried and pulverized. The true protein content in the product is not less than 35%, the crude ash content is not higher than 15%, the urea residue is not higher than 0.5%, and microcystins cannot be detected. This product is limited to aquafeed use only. Mandatory labeling requirements include true protein, crude fat, crude ash, moisture, and urea. The feed ingredient is managed as a single feed species.
- (2) Phaeodactylum powder is approved and added into the Feed Ingredients Catalog (see Appendix 4 for the revised list in Feed Ingredients Catalog) under serial number 7.5.12. Feature description is the algae powder formed by using a natural species of *Phaeodactylum sp.* as raw material and urea as nitrogen source, cultivated in a photobioreactor, concentrated to obtain algae paste, then dried and pulverized. The true protein content in the product is not less than 30%, the crude ash content is not higher than 15%, the residual urea is not higher than 0.5%, and microcystins cannot be detected. This product is limited to aquafeed use only. Mandatory labeling requirements include true protein, crude fat, crude ash, moisture, and urea. The feed ingredient is managed as a single feed species.
- (3) Tetraselmis powder is approved and added into the Feed Ingredients Catalog (see Appendix 4 for the revised list in Feed Ingredients Catalog) under serial number 7.5.13. Feature description is the algae powder formed by using natural *Tetraselmis sp.* as raw material, urea as nitrogen source, cultured in a photobioreactor, concentrated to obtain algae paste, then dried and pulverized. The true protein content in the product is not less than 30%, the crude ash content is not higher than 15%, the residual urea is not higher than 0.5%, and microcystins cannot be detected. This product is limited to aquafeed use

only. Mandatory labeling requirements include true protein, crude fat, crude ash, moisture, and urea. The feed ingredient is managed as a single feed species.

- (4) Calcium caseinate is approved and added to the Feed Ingredient Catalog (see Appendix 4 for the revised list in Feed Ingredients Catalog) under serial number 8.2.3. Feature description is the product formed by using skimmed milk as raw material, neutralized with calcium hydroxide or calcium carbonate after turning to casein, and then dried. The protein content in the product is not less than 88% and the calcium content is not less than 1.15%. Mandatory labeling requirements include protein and calcium.

3. Expansion of application scopes for feed ingredient Ethanol Clostridium Protein and feed additive Chromium Methionine Chelate

- (1) The scope of use of ethanol clostridium protein is expanded to piglets and broiler poultry. The recommended dosage in compound feed for piglets and broiler poultry is 1% to 4%, not higher than 9% (based on the compound feed with a dry content of 88%).
- (2) The scope of use of chromium methionine chelate is expanded to cows in milk (see Appendix 5 for the product information), and the recommended addition amount in the total mixed diet of cows in milk is 4-8 mg/head/day or 0.16-0.32 mg/kg (based on the total mixed diet with a dry content of 88%, calculated as chromium), the maximum limit (referring to the addition limit of organic form of chromium) is 8 mg/head/day or 0.32 mg/kg (based on the total mixed diet with a dry content of 88% , calculated as chromium).

4. Revision of 9.4.5 Chicken Eggs to 9.4.5_Eggs in Feed Ingredients Catalog

“9.4.5 Chicken Eggs” in the Feed Ingredients Catalog is revised to “9.4.5 __Eggs” (see Appendix 4 for the revised list in the Feed Ingredients Catalog). Feature description is revised as edible poultry eggs that are not processed or treated only with fresh-keeping technologies such as refrigeration or film, with or without shells. The product name needs to indicate the specific animal species, such as chicken eggs, duck eggs, and quail eggs. Mandatory labeling requirements include crude protein, crude fat, and crude ash (applicable to shell eggs only).

5. Addition of feed additive L-ascorbic acid under “Preservatives” category in the Feed Additives Catalog, applicable to all species or categories of animals.

It is hereby announced.

Attachments of the Announcement include:

1. Feed and Feed Additives New Product Information (*Kluyveromyces marxianus* (CGMCC 10621) and Red Clover Extracts (active substances: Formononetin and Biochanin A))
2. Product Standard for *Kluyveromyces marxianus* (CGMCC 10621)
3. Product Standard for Red Clover Extracts (active substances: Formononetin and Biochanin A)
4. Revised List in Feed Ingredients Catalog

5. Feed and Feed Additives Revised Product Information

Appendix 4: Revised List in Feed Ingredients Catalog

Raw material No.	Raw material name	Feature description	Mandatory labeling requirements
7.5	Algae and its processed products		
7.5.11	Isochrysis powder	Algae powder formed by using natural species of Isochrysis sp. as raw material and urea as nitrogen source, cultured in a photobioreactor, concentrated to obtain algae extract, then dried and pulverized. The true protein content in the product is not less than 35%, the crude ash content is not higher than 15%, the urea residue is not higher than 0.5%, and microcystins cannot be detected. This product is limited to aquafeed use only.	True protein Crude fat Crude ash Moisture Urea
7.5.12	Phaeodactylum powder	Algae powder formed by using natural species of Phaeodactylum sp. as raw material and urea as nitrogen source, cultivated in a photobioreactor, concentrated to obtain algae paste, then dried and pulverized. The true protein content in the product is not less than 30%, the crude ash content is not higher than 15%, the residual urea is not higher than 0.5%, and microcystins cannot be detected. This product is limited to aquafeed use only.	True protein Crude fat Crude ash Moisture Urea
7.5.13	Tetraselmis powder	Algae powder formed by using natural Tetraselmis sp. as raw material, urea as nitrogen source, cultured in a photobioreactor, concentrated to obtain algae paste, then dried and pulverized. The true protein content in the product is not less than 30%, the crude ash content is not higher than 15%, the residual urea is not higher than 0.5%, and microcystins cannot be detected. This product is limited to	True protein Crude fat Crude ash Moisture Urea

		aquafeed use only.	
8.2	Casein and its processed products		
8.2.3	Calcium caseinate	Product formed by using skimmed milk as raw material, neutralized with calcium hydroxide or calcium carbonate after turning to casein, and then dried. The protein content in the product is not less than 88% and the calcium content is not less than 1.15%.	Protein Calcium
9.4	Egg and its processed products		
9.4.5	—Eggs	Edible poultry eggs that are not processed or treated only with fresh-keeping technologies such as refrigeration or film, with or without shells. The product name needs to indicate the specific animal species, such as chicken eggs, duck eggs, and quail eggs.	Crude protein Crude fat Crude ash (applicable to shell eggs only)

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Attachments:

No Attachments.