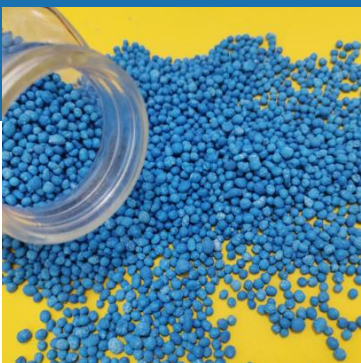


Introduction to Fertilizer Registration in China and Interpretation of New Marking Requirements (GB 18382-2021)

January 21, 2022 by CIRS Group





- Definition of Fertilizer in China
- Chinese Fertilizer Authorities
- China Fertilizer Registration Type and Approval Process
- Fertilizer Registration Test Timelines
- Fertilizer Data Requirement
- Fertilizer Product Standards
- New Marking Requirements for Fertilizers (GB18382-2021)
- Estimated Registration Costs for Different Fertilizers
- Main Challenges of Fertilizer Registration in China

Fertilizer Definition

1

Fertilizer

It refers to organic, inorganic, microbial and mixed materials used to provide, maintain or improve plant nutrition, soil physical and chemical properties and biological activity, improve the yield of agricultural products, improve the quality of agricultural products, or enhance plant stress resistance.

Chinese Fertilizer Authorities



Division of Plantation Management, China MARA

Secretariat of fertilizer registration committee of Ministry of Agriculture and Rural Affairs

省农业农村厅

Provincial Departments of
Agriculture and Rural Affairs



Fertilizer Registration Applicant



Fertilizer producers with independent legal entities in China can apply for fertilizer registration.

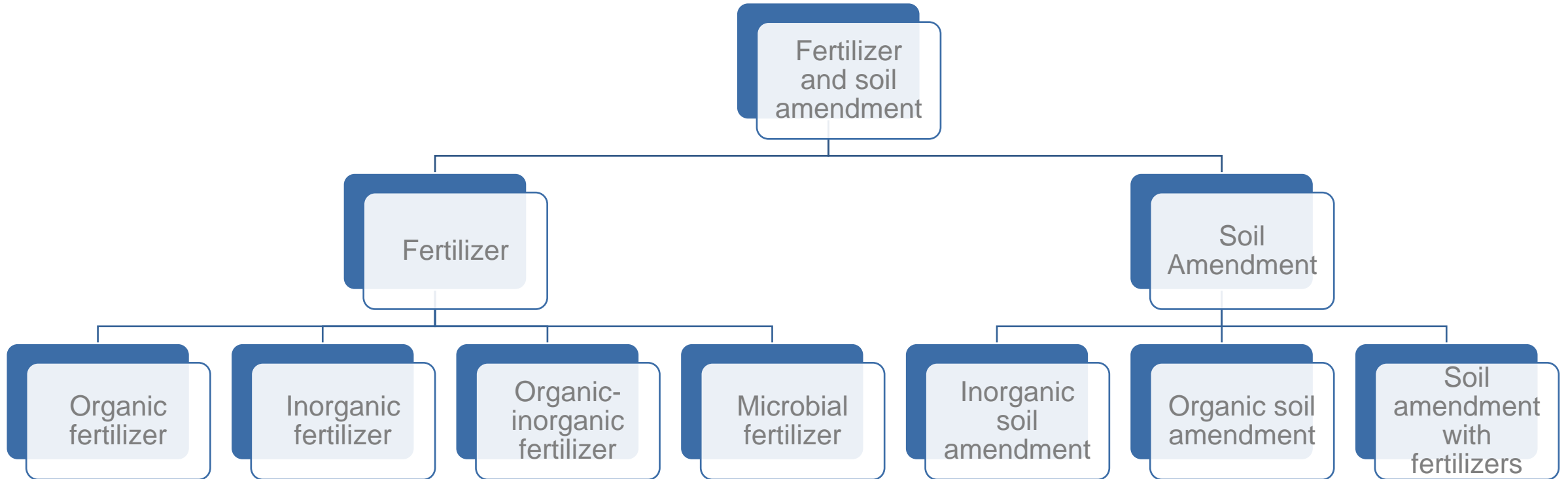
Applicants from overseas, Hong Kong, Macao and Taiwan can apply for registration directly, or by their offices or entrusted agents in China.

Overview of Fertilizer Regulations in China



Name of regulation	Issuing department	Implementation date
Agriculture law of the People's Republic of China	Order of the president of the People's Republic of China	Revised on March 1, 2003
Measures for the administration of fertilizer registration	MARA of the People's Republic of China	Revised on Jan, 2022
Requirements for fertilizer registration data	MARA of the People's Republic of China	Revised on November 30, 2017
Announcement No. 222 of the MRAR	MRAR of the People's Republic of China	October 14, 2019

Fertilizer Classification - by Composition

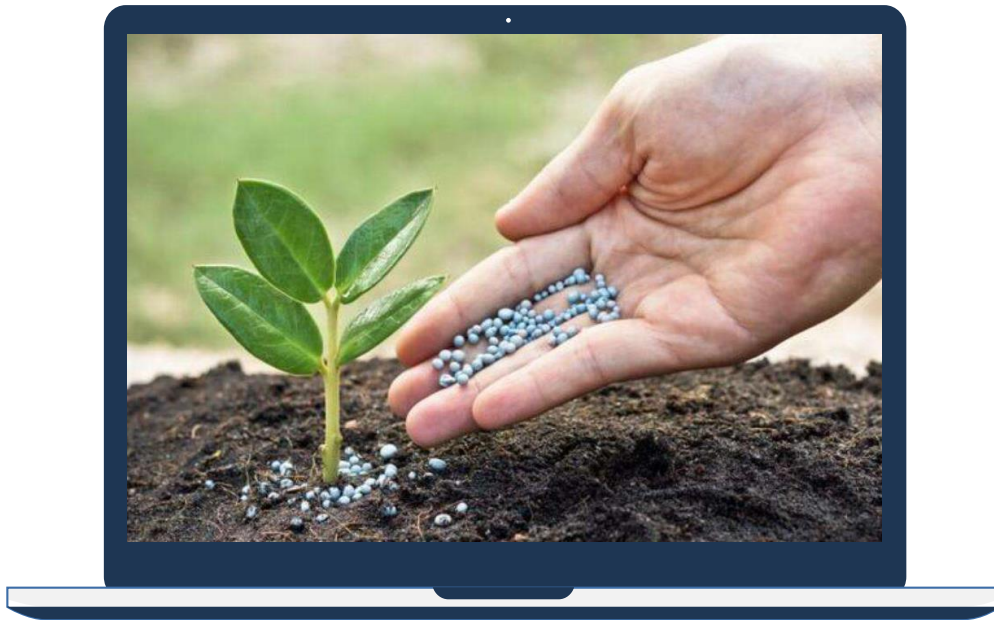


Fertilizer Registration Type - Exempt Products

Ammonium Sulfate (GB / T 535-2020), Urea (GB / T 2440-2017), High Concentration Compound Fertilizer (GB / T 15063-2020), Ammonium Nitrate (GB / T 2945-2017), Calcium Cyanamide (HG / T 2427-2021), Ammonium Phosphate (HG/T 5939-2021) (Monoammonium And Diammonium Phosphate), Phosphate Nitrate, Calcium Superphosphate (GB/T 10510-2007), Potassium Chloride (GB/T 37918-2019), Potassium Sulfate (GB/T 20406-2017), Potassium Nitrate (GB/T 20784-2018), Ammonium Chloride (GB/T 2946-2018), Ammonium Bicarbonate (GB/T 3559-2001), Calcium Magnesium Phosphate Fertilizer (GB/T 20412-2021), Potassium Dihydrogen Phosphate (HG/T 2321-2016), single trace element



Fertilizer Registration Type - Filing and Registration with Provincial Agriculture Departments



Filing



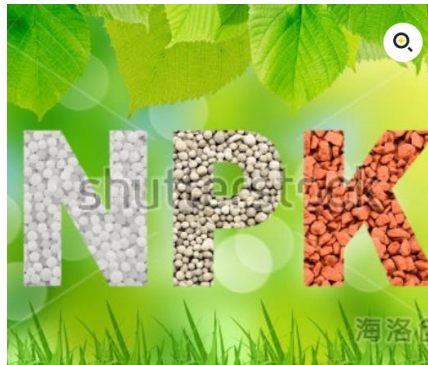
Compound Fertilizer
Bulk Blending Fertilizer

Registration



Formula fertilizer (excluding folia
fertilizer)
Refined Organic Fertilizer
Bed Soil Acid Regulating Agent

Fertilizer Registration Type - Filing with MARA



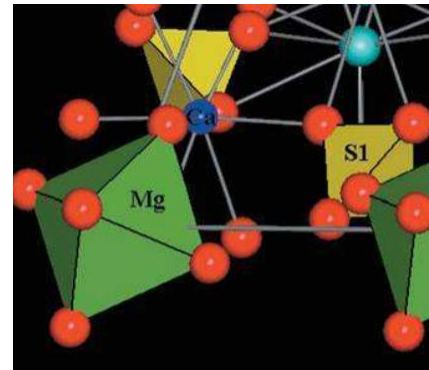
Large Element Fertilizers

Large Element Water-soluble Fertilizer

Agricultural Potassium Magnesium Chloride

Agricultural Potassium Magnesium Sulfate Fertilizer

1



Medium Element Fertilizers

Medium Element Water Soluble Fertilizer

2



Trace Element Fertilizers

Trace Element Water Soluble Fertilizer

3

Fertilizer Registration Type – Registration with MARA

Review products

Direct Approval Products

Water soluble fertilizer containing amino acids
Water soluble fertilizer containing humic acids
Microbial Inoculant

Large element fertilizers



Urea Ammonium Nitrate Solution
Potassium Nitrate For Agriculture
Modified Ammonium Nitrate For Agriculture
Agricultural Ammonium Calcium Nitrate
Slow Release Fertilizer

Medium Element fertilizers



Medium Element Fertilizer
Calcium Nitrate For Agriculture
Magnesium Sulfate For Agriculture

Trace element fertilizers
Organic fertilizers



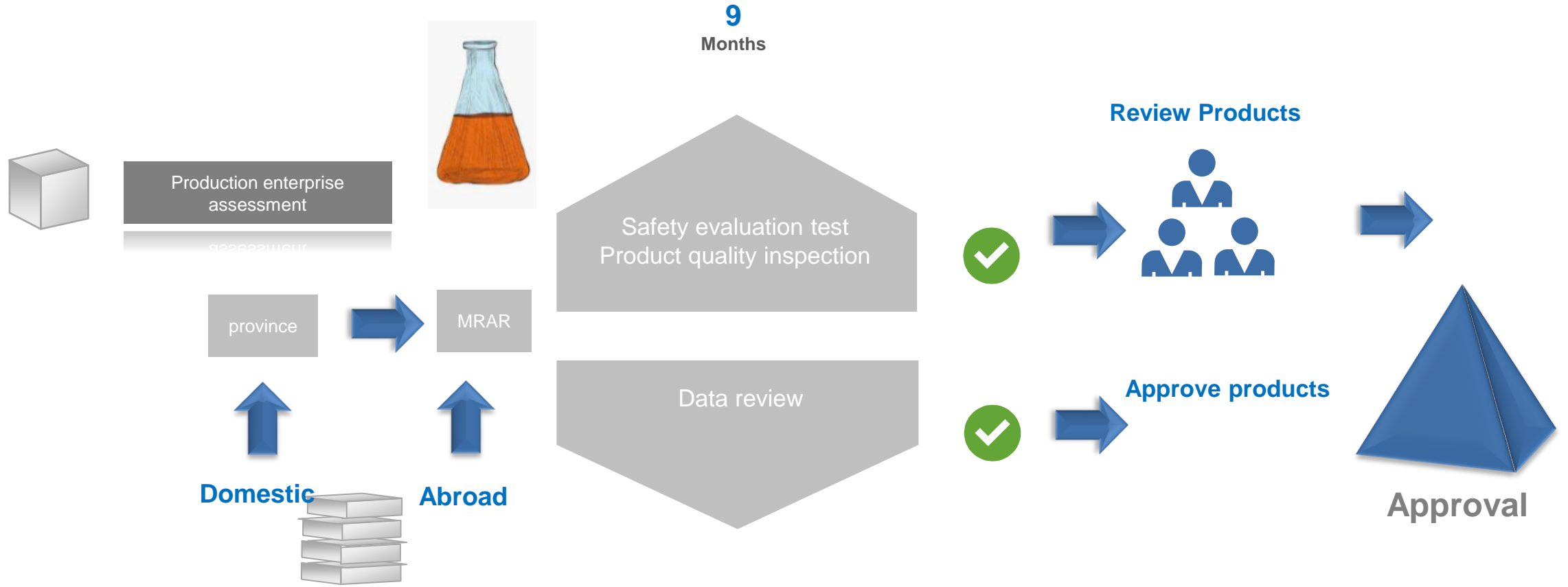
Trace Element Fertilizer
Organic Water Soluble Fertilizer

Soil Amendments
Other fertilizers



Soil Amendments
Agroforestry Absorbent Polymer
other

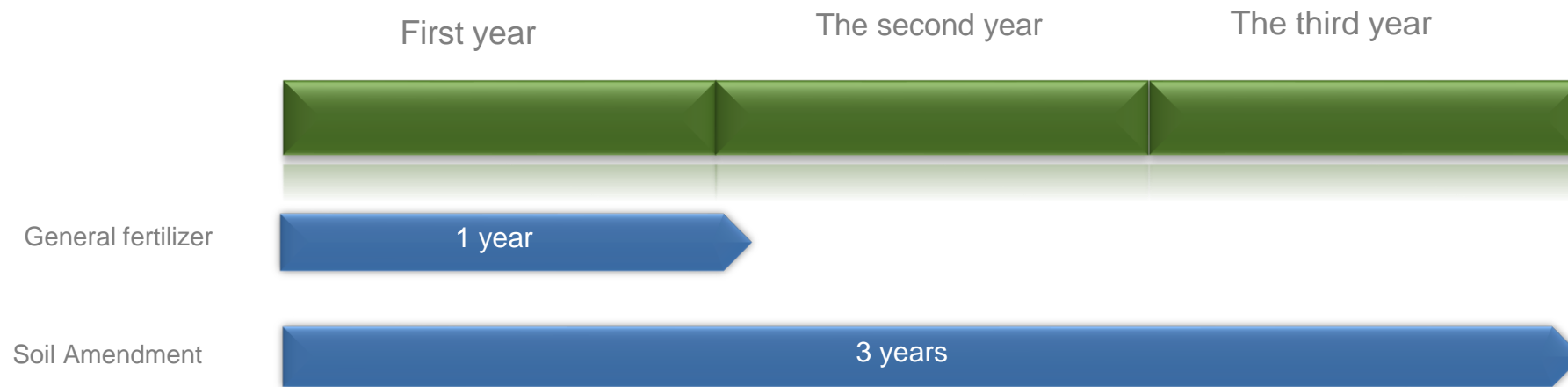
Fertilizer Registration Review Process



Dossier

Secretariat of fertilizer registration committee of
Ministry of Agriculture and Rural Affairs

Fertilizer Registration Test Timeline



Fertilizer Registration Data Requirement (1)



Data requirements	Domestic producers	Applicants from overseas, Hong Kong, Macao and Taiwan
Application form for fertilizer registration	√	√
Enterprise registration certificates marked with unified social credit code.	√	
Preliminary examination opinion	√	
Assessment form of manufacturer	√	
Product safety data	√	√
Quality test report of fertilizer	√	√
Product field efficacy report	√	√
Product standard	√	√
Product label	√	√
Basic information of enterprises and products	√	√
Fertilizer sample	√	√

Fertilizer Registration Data Requirement (2)



Data requirements	Domestic producers	Applicants from overseas, Hong Kong, Macao and Taiwan
Foreign and Hong Kong, Macao and Taiwan production enterprises shall also submit the following materials:		
(1) Registration certificate production and sales certificate		√
(2) Notarization		√
(3) The principal-agent agreement.		√
(4) Pictures of enterprise production and quality testing equipment and facilities		√
(5) Import document of test fertilizer		√

Fertilizer Efficiency Test



Name	Standard number
General rules for the field trials of fertilizer registration	NY/T 3241-2018
Requirements for test and evaluation of soil amendment effect	NY/T 2271-2016
Technical specification for field experiment of microbial fertilizer and guide for fertilizer efficiency evaluation	NY/T 1536-2007
General requirements for fertilizer effect test and evaluation	NY/T 2544-2014

Product Filing with MARA



Product Filing with MARA



Name	Standard Number
Large element water-soluble fertilizer	NY/T 1107-2020
Medium element water soluble fertilizer	NY 2266-2012
Trace element water soluble fertilizer	NY 1428-2010
Potassium magnesium sulfate for agriculture	GB/T 20937-2018
Potassium magnesium chloride for agriculture	GB/T 37918

Large Element Water Soluble Fertilizer (NY/T 1107-2020)



Definition: liquid or solid water-soluble fertilizer with a large number of elements nitrogen, phosphorus and potassium as the main components can add an appropriate amount of medium or trace elements.

Specification		Solid products	Liquid products
Large element content	\geq	50.0%	400g/L
Insoluble matter in water	\leq	1.0%	10g/L
water content	\leq	3.0%	/
Biuret content	\leq	0.9%	

1

It shall contain at least two kinds of large elements, and the content of single large element shall not be less than 4.0% or 40g / L.

2

If a medium element is added to the product, it shall contain at least one medium element, and the content of a single medium element shall not be less than 0.1% or 1g / L.

3

If trace elements are added to the product, at least one trace element shall be included. The content of single trace element shall not be lower than 0.05% or 0.5g/l, and the content of molybdenum shall not be higher than 0.5% or 5g / L.

Full version is available free of charge upon request. (agrochem@cirs-group.com)



Our services

We can provide a one-stop solution to help you deal with fertilizer regulations and registrations in China.

Our services include:

- China fertilizer registration
- Fertilizer change registration
- Fertilizer laboratory screening and test supervision
- Preparation and review of fertilizer registration data
- Fertilizer filing
- Renewal of fertilizer registration
- Label review
- Annual quality inspection
- Provincial registration
- Registration, consultation, reporting and training

Thanks for watching
THANKS

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