



INTELLECTUAL
PROPERTY INDIA
PATENTS | DESIGNS | TRADE MARKS
GEOGRAPHICAL INDICATIONS



सत्यमेव जयते

क्रम सं/SL No :044209117



पेटेंट कार्यालय, भारत सरकार

The Patent Office, Government Of India

पेटेंट प्रमाण पत्र

Patent Certificate

(पेटेंट नियमावली का नियम 74)

(Rule 74 of The Patents Rules)

पेटेंट सं. / Patent No.

594839

आवेदन सं. / Application No.

202541088012

फाइल करने की तारीख / Date of Filing

16/09/2025

पेटेंटी / Patentee

ICAR-INDIAN INSTITUTE OF RICE RESEARCH

प्रमाणित किया जाता है कि पेटेंटी को, उपरोक्त आवेदन में यथाप्रकटित **COATING COMPOSITION FOR FERTILIZER TO IMPROVE CROP YIELD AND PREPARATION METHOD OF COATED FERTILIZER** नामक आविष्कार के लिए, पेटेंट अधिनियम, 1970 के उपबंधों के अनुसार आज तारीख सितम्बर 2025 के सोलहवें दिन से बीस वर्ष की अवधि के लिए पेटेंट अनुदत्त किया गया है।

It is hereby certified that a patent has been granted to the patentee for an invention entitled **COATING COMPOSITION FOR FERTILIZER TO IMPROVE CROP YIELD AND PREPARATION METHOD OF COATED FERTILIZER** as disclosed in the above mentioned application for the term of 20 years from the 16th day of September 2025 in accordance with the provisions of the Patents Act, 1970.



उत्पादक
पेटेंट नियंत्रक
Controller of Patents

अनुदान की तारीख : 09/07/2026
Date of Grant :

टिप्पणी - इस पेटेंट के नवीकरण के लिए फीस, यदि इसे बनाए रखा जाना है, सितम्बर 2027 के सोलहवें दिन को और उसके पश्चात प्रत्येक वर्ष में उसी दिन देय होगी।

Note. - The fees for renewal of this patent, if it is to be maintained, will fall / has fallen due on 16th day of September 2027 and on the same day in every year thereafter.

(10) Publication No: **IN594839 B1**

(45) Date of Grant: 09-07-2026



(21) Application No: 202541088012

(24) Date of Patent: 16-09-2025

(19) Intellectual Property Office, India

(12) INDIAN GRANTED PATENT



(54) Title: **Coating composition for fertilizer to improve crop yield and preparation method of coated fertilizer**

(51) International Classification:

**C05G3/90, C05G3/00, C05G3/80, C05G3/40, C05G5/30
C05G5/12, C05G5/35**

(22) Date of Filing: **16-09-2025**

(43) Publication Date: **10-10-2025**

Journal No: **41/2025**

(31) Priority Document No: --

(32) Priority Date: --

(86) International Application No: --

Filing Date: --

(87) International Publication No: --

(61) Patent of Addition to Application No: --

Filing Date: --

(62) Divisional to Application No: --

Filing Date: --

(71) Name of Applicant(s):

Icar-indian Institute Of Rice Research,

(72) Name of Inventor(s):

1. Dr. M. Mohibbe Azam

2. Dr. K. Surekha

3. Dr. Amtul Waris

4. C. Muralidhar Reddy

5. Dr. R. M. Sundaram

(57) Abstract:

The present invention relates to a coating composition for coating a fertilizer comprising water-insoluble fatty acids in an amount ranging from 0.5% to 2.5% by weight, naturally occurring wax in an amount ranging from 2.5% to 6.5% by weight, and a natural urease inhibitor in an amount ranging from 0.03% to 0.3%. The invention also provides a method for coating a fertilizer via a solvent-based method for uniform surface coverage of fertilizer particles.