



Republic of the Philippines
Department of Agriculture
BUREAU OF PLANT INDUSTRY
692 San Andres St., Malate, Manila

Biosafety Permit for Field Trial Number 22-002b-FT

Field trial proposal entitled ***“Proposal for the Field Trial of Genetically Engineered High Iron and Zinc Rice Event IRS1030-039”*** of the Philippine Rice Research Institute (PhilRice) with office address at PhilRice Central Experiment Station, Maligaya, Science City of Muñoz, 3119 Nueva Ecija has satisfactorily completed the biosafety risk assessment for field trial pursuant to the DOST-DA-DENR-DOH-DILG Joint Department Circular No. 1, series of 2021. This permit is hereby issued for the field trial of the said regulated article.

This Biosafety Permit for Field Trial shall not excuse the permit holder from complying with relevant regulations of other government agencies.

The Bureau of Plant Industry has approved the conduct of the proposed activity in **PhilRice-Batac Station MMSU Campus, Batac City, Ilocos Norte** subject to the following conditions:

- a. The proponent shall submit to the BPI the duly accomplished Oath of Undertaking before commencing with the field trials;
- b. The proponent shall submit to the BPI and inform the designated monitors of the detailed schedule of planting, planting plan, cultural management practices, monitoring activities and pest damage assessment prior to the conduct of trial;
- c. The proponent shall adhere as closely as possible to the planting schedules for this site. Modification in the planting schedule and other activities could be made only with the concurrence of BPI;
- d. The proponent shall strictly observe the **100m physical isolation and/or 30-day temporal isolation** at all times, from **other rice** fields outside the enclosed experimental area; regular monitoring/inspection of the surrounding **10m radius isolation** shall be done;
- e. The proponent shall ensure that three (3) rows of corn plants will be grown around the site to further prevent pollen dispersal;
- f. The proponent shall ensure the security of the experimental area, and safety of the field workers and the monitors;
- g. The proponent shall ensure that the workers and monitors have access to health facilities as the need arises;
- h. The proponent shall monitor the data on presence, relative abundance, nature and degree of damage, and identity of pests and diseases, and on the identity and abundance of natural enemies at vegetative, early reproductive, and harvest stages of the crop;
- i. The proponent shall generate data on the level of expression of the transferred gene in other parts of the plant that are used for animal feed;
- j. The proponent shall conduct analysis on the nutritional composition of harvested materials (micronutrient on straw, etc.);
- k. The proponent shall observe the phenotypical fitness of GM plant during the trial;
- l. The proponent shall be held accountable/responsible for any inadvertent release of the regulated plant material into the surrounding environment and shall undertake the necessary mitigating measures to address the incident;
- m. The proponent shall ensure that only authorized persons are allowed inside the trial sites;
- n. The proponent shall ensure that access to the site is limited. Visitors, staff and personnel are strictly monitored (physically searched) after each field trial activity;

- o. The proponent shall ensure that the trial sites are free from stray animals, birds, and rodents while tests are being conducted;
- p. The proponent shall ensure that all materials saved for other studies are well accounted for and could be allowed under some terms and conditions;
- q. Immediately after harvest, the proponent shall ensure that all viable plant parts are heat killed (incineration is not allowed) and the emerged seedlings will be uprooted, chopped, and buried at a designated spot in the site;
- r. Immediately after harvest, the proponent shall ensure that the area shall be flooded, after which volunteer plants will be monitored;
- s. The proponent shall ensure that the area may be re-used for the second season planting only if no volunteer plants are observed after successive ten (10) day monitoring interval;
- t. The permit holder shall immediately notify the Director of BPI, in writing, should any of the following cases occur:
 - 1. In the event that new information becomes available, indicating that the regulated article would pose greater risks to human health and the environment as compared to its conventional counterpart;
 - 2. In cases wherein risk mitigation measures implemented were found to be insufficient; and
 - 3. In cases wherein contingency measures had to be implemented.
- u. The proponent shall strictly comply with the additional requirements that the BPI may impose, as necessary, during the trial period; and
- v. The proponent shall comply with the reportorial requirements as discussed in Section 12.J. and Section 29 of the DOST-DA-DENR-DOH-DILG Joint Department Circular No. 1, series of 2021.


The permit holder must commence with the activity within two (2) years from date of issuance of the permit, unless it is sooner revoked for any of the reasons set forth in Section 12K. Revocation of Biosafety Permit for Field Trial.

Issued this **October 20, 2022** at the Bureau of Plant Industry, San Andres St., Malate, Manila.



GERALD GLENN F. PANGANIBAN, Ph.D.
OIC-Director
Bureau of Plant Industry

I have read and understood the Terms and Conditions herein set forth, and I enter in this agreement voluntarily and with my express consent; I hereunto affix my signature with full knowledge of its legal effect.


REYNANTE L. ORDONIO
Signature over printed name of the Technology Developer

OCTOBER 20, 2022
Date



Republic of the Philippines
Department of Agriculture
BUREAU OF PLANT INDUSTRY
692 San Andres St., Malate, Manila

Biosafety Permit for Field Trial Number 22-002a-FT

Field trial proposal entitled ***“Proposal for the Field Trial of Genetically Engineered High Iron and Zinc Rice Event IRS1030-039”*** of the Philippine Rice Research Institute (PhilRice) with office address at PhilRice Central Experiment Station, Maligaya, Science City of Muñoz, 3119 Nueva Ecija has satisfactorily completed the biosafety risk assessment for field trial pursuant to the DOST-DA-DENR-DOH-DILG Joint Department Circular No. 1, series of 2021. This permit is hereby issued for the field trial of the said regulated article.

This Biosafety Permit for Field Trial shall not excuse the permit holder from complying with relevant regulations of other government agencies.


The Bureau of Plant Industry has approved the conduct of the proposed activity in **PhilRice-Central Experiment Station, Brgy. Maligaya, Science City of Muñoz, Nueva Ecija** subject to the following conditions:

- a. The proponent shall submit to the BPI the duly accomplished Oath of Undertaking before commencing with the field trials;
- b. The proponent shall submit to the BPI and inform the designated monitors of the detailed schedule of planting, planting plan, cultural management practices, monitoring activities and pest damage assessment prior to the conduct of trial;
- c. The proponent shall adhere as closely as possible to the planting schedules for this site. Modification in the planting schedule and other activities could be made only with the concurrence of BPI;
- d. The proponent shall strictly observe the **100m physical isolation and/or 30-day temporal isolation** at all times, from **other rice** fields outside the enclosed experimental area; regular monitoring/inspection of the surrounding **10m radius isolation** shall be done;
- e. The proponent shall ensure that three (3) rows of corn plants will be grown around the site to further prevent pollen dispersal;
- f. The proponent shall ensure the security of the experimental area, and safety of the field workers and the monitors;
- g. The proponent shall ensure that the workers and monitors have access to health facilities as the need arises;
- h. The proponent shall monitor the data on presence, relative abundance, nature and degree of damage, and identity of pests and diseases, and on the identity and abundance of natural enemies at vegetative, early reproductive, and harvest stages of the crop;
- i. The proponent shall generate data on the level of expression of the transferred gene in other parts of the plant that are used for animal feed;
- j. The proponent shall conduct analysis on the nutritional composition of harvested materials (micronutrient on straw, etc.);
- k. The proponent shall observe the phenotypical fitness of GM plant during the trial;
- l. The proponent shall be held accountable/responsible for any inadvertent release of the regulated plant material into the surrounding environment and shall undertake the necessary mitigating measures to address the incident;
- m. The proponent shall ensure that only authorized persons are allowed inside the trial sites;
- n. The proponent shall ensure that access to the site is limited. Visitors, staff and personnel are strictly monitored (physically searched) after each field trial activity;


- o. The proponent shall ensure that the trial sites are free from stray animals, birds, and rodents while tests are being conducted;
- p. The proponent shall ensure that all materials saved for other studies are well accounted for and could be allowed under some terms and conditions;
- q. Immediately after harvest, the proponent shall ensure that all viable plant parts are heat killed (incineration is not allowed) and the emerged seedlings will be uprooted, chopped, and buried at a designated spot in the site;
- r. Immediately after harvest, the proponent shall ensure that the area shall be flooded, after which volunteer plants will be monitored;
- s. The proponent shall ensure that the area may be re-used for the second season planting only if no volunteer plants are observed after successive ten (10) day monitoring interval;
- t. The permit holder shall immediately notify the Director of BPI, in writing, should any of the following cases occur:
 - 1. In the event that new information becomes available, indicating that the regulated article would pose greater risks to human health and the environment as compared to its conventional counterpart;
 - 2. In cases wherein risk mitigation measures implemented were found to be insufficient; and
 - 3. In cases wherein contingency measures had to be implemented.
- u. The proponent shall strictly comply with the additional requirements that the BPI may impose, as necessary, during the trial period; and
- v. The proponent shall comply with the reportorial requirements as discussed in Section 12.J. and Section 29 of the DOST-DA-DENR-DOH-DILG Joint Department Circular No. 1, series of 2021.

The permit holder must commence with the activity within two (2) years from date of issuance of the permit, unless it is sooner revoked for any of the reasons set forth in Section 12K. Revocation of Biosafety Permit for Field Trial.

Issued this **October 10, 2022** at the Bureau of Plant Industry, San Andres St., Malate, Manila.


GERALD GLENN F. PANGANIBAN, Ph.D.
 OIC-Director
 Bureau of Plant Industry

I have read and understood the Terms and Conditions herein set forth, and I enter in this agreement voluntarily and with my express consent; I hereunto affix my signature with full knowledge of its legal effect.


REYNANTE L. ORDONIO
 Signature over printed name of the Technology Developer

OCTOBER 10, 2022
 Date