

Field Release Registration Document

The use of biotechnology to modify plants is a common practice in the agricultural sciences, and the number of field trials for genetically modified plants is growing rapidly. This registration document, developed to capture experiments involving the field release of transgenic plant material, is based in part on the National Institutes of Health's Guidelines for Research Involving Recombinant DNA Molecules (NIH Guidelines) and the guidance from the Animal and Plant Health Inspection Service of the United States Department of Agriculture (USDA-APHIS). Please review the pertinent documents prior to completing this form. To obtain the most recent version of the NIH Guidelines, contact the ORCBS at 355-0153 or visit the Biosafety in Research website (<http://www.biosafety.msu.edu>).

Principal Investigator: _____	ORCBS Reg. # _____
Department: _____	
Campus Mailing Address: _____	
Telephone #: _____ E-mail Address: _____	
Project Title: _____	

A. Characterization of the Genetically Modified Plant

- 1) Identify the plant, including both its technical and common name (e.g., *Brassica napus* (canola))
- 2) Identify compatible relatives in the intended field test environment.
- 3) Is the plant considered a noxious weed or could it interbreed with noxious weeds? (For a list of Federally regulated noxious weeds, please visit <http://www.aphis.usda.gov/ppq/permits/fnwsbycat-e.PDF>)
 Yes
 No
- 4) What gene(s) will be introduced and what characteristic(s) of the plant will be altered (Please attach vector construct information if available):

B. Development of the Genetically Modified Plant Material

Are you developing the genetically modified material for planting or will you be receiving the material from a collaborator?

- Developed by PI
- Received from collaborator

Please note that if you are developing the material, you must have a current IBC registration on file for the laboratory research and techniques used in the process.

- If you are receiving the material from a collaborator at another University, please attach verification that the project was approved by that University's IBC.
- If the material is being received from a public entity, please attach documentation of the policies/guidelines for the laboratory research and techniques the company employs.

Please complete sections C and D for each field release location. Attach additional pages as needed.

C. Field Release Information

1) Status of USDA permit/notification:

- Approved (please attach)
- Pending

2) Status of MI Department of Agriculture permit/notification:

- Approved (please attach)
- Pending

If the permit/notification is pending, please refer to documentation from related research projects to supply the basic information requested in this section. Please note that the permit/notification must clearly identify the MSU location for release.

3) Proposed release dates: _____ to _____

4) Proposed release location:

Name: _____
Address: _____

5) Has this space been approved by Faculty Coordinator and/or University Farm Manager?

- Yes Date of Approval: _____ Approved by: _____
Please attach documentation of approval and a map of the release location that clearly indicates the field plot identification number.
- Pending.
Please note that IBC approval is contingent upon receipt of this authorization.
- No.
Please explain:

D. Containment

During planting (please check all that apply, and cite the corresponding page and paragraph of the permit/notification):

- Buffer zone _____
- Location of plot relative to commercial planting _____
Please include isolation distance:

During growth:

- Differential maturity dates _____
- Harvesting of plant material prior to sexual maturity _____
- Use of male sterile lines _____
- Cover or removal of flower and seed heads _____
- Surveillance for weeds or volunteers, unexplained removal of plants, or other environmental release events _____
- Other _____

During harvest and post-harvest (please check all that apply, and cite the corresponding page and paragraph of the permit/notification):

- Segregation and labeling (for transport, storage, research use and disposal)
Please describe methods, including storage location:

- In-field destruction of genetically modified plant residues
Please describe methods:

- Cleaning/decontamination of harvesting equipment (to ensure no release of seed or plant residues to the environment)
- Plot restrictions and management for subsequent planting seasons, including surveillance for volunteers
- Biological inactivation of genetically modified materials removed from the field and used in further studies.
Please describe methods:

E. Certification & Signatures

The information contained in this application is accurate and complete. I am familiar with and agree to abide by the provisions of the current NIH Guidelines as they apply to my research, as well as the USDA permit/notification and any MSU Policies and Procedures.

These requirements include the following:

- **I will initiate no field release experiments until they have been reviewed and approved/registered with the MSU Institutional Biosafety Committee.**
- **I will assure that personnel are trained in: transgenic plants and the necessity for containment and labeling, possible sources of contamination or commingling of transgenic and non-transgenic plant material, response procedures in the event of an accidental release, and in biological inactivation procedures for transgenic plant material.**
- **I will keep complete records (including dates) pertaining to planting locations, methods of disposal, monitoring and/or treatment of the field plot, and training.**
- **I will supervise staff and correct work errors and conditions that could result in breaches of the NIH Guidelines or of the USDA permit/notification.**

PI Signature: _____ Date: _____

When completed, please return this document to the Biological Safety Officer, ORCBS, 164 Giltner Hall.