U.S. DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE
BIOTECHNOLOGY REGULATORY SERVICES

BRS NOTIFICATION - INTRODUCTION OF GENETICALLY ENGINEERED PLANTS

1. NAME, ADDRESS, TE

Name:
Position:
Organization:
Organization Unique ID:
Address:

County/Province:
Township/Island:

Day Telephone:
FAX:
Alternate:

Email 1:
Email 2:

2. INTRODUCTION TYPE

- [ ] Importation
- [x] Interstate Movement
- [ ] Interstate Movement and Release
- [ ] Release

3. APPLICANT REFERENCE NUMBER

4. CONFIDENTIAL BUSINESS INFORMATION VERIFICATION (CBI)

Does this application contain CBI? [ ] **Yes** [x] **No**

CBI Justification:

N/A

5. REGULATED ARTICLE

Scientific Name: Oryza sativa
Common Name: Rice
Cultivar and/or Breeding Line: Kitaake

6. PHENOTYPIC DESIGNATION

1) **Phenotypic Designation Name:** Ubi-Xa21

Identifying Line(s): 7A-8

Construct(s): Ubi-Xa21C1300

Mode of Transformation: Agrobacterium tumefaciens, disarmed

Phenotype(s)

BR - Xanthomonas oryzae resistant
MG - Selectable marker

Genotype(s)

Gene(s) of Interest
Promoter: Ubiquitin **from** Zea mays - constitutive promoter

Gene: Rice Xa21 **from** Oryza sativa, Homo sapiens - Xa21 genomic DNA with myc tag at N terminal. Myc tage is a 9E10 antibody epitope (EQKLISEEDL) derives from a protein sequence in the human proto-oncogen p62c-myc.

Terminator: Nos 3 **from** Agrobacterium tumefaciens - Nos 3: Terminator from Nopaline synthase gene

Selectable Marker
Promoter: 35S **from** Cauliflower mosaic caulimovirus - 35S constitutive promoter

Gene: hygromycin B phosphotransferase gene **from** HPT II from Streptomyces hygroscopicus - hygromycin B phosphotransferase gene

Terminator: 35S terminator **from** 35S from Cauliflower mosaic caulimovirus - 35S terminator

7. INTRODUCTION

Point of Origin

Location Name & Description	Location Address	Contact(s)
Pamela Ronald University of California/Davis	1 Shield Avenue, UC Davis, Department of Plant Pathology, Davis, CA 95616	Email: pcronald@ucdavis.edu Day Telephone: 530-752-1654

Destination

Location Name & Description	Location Address	Contact(s)
	County: **Proposed Start Date:** **Proposed End Date:** **Quantity:**	

8. ADDITIONAL INFORMATION

I, certify that the regulated article will be introduced in accordance with the eligibility criteria and the performance standards set forth in 7 CFR 340.3. The above information is true to the best of our knowledge.

I acknowledge this is not an application to move or import select agents, the genes expressing select agents, or the toxins made by the select agents, as described in 9 CFR 121.

If there are any changes to the information disclosed in this application, I will contact APHIS.

9. SIGNATURE OF RESPONSIBLE PERSON	10. DATE