

## **Annex I**

### **Information Checklist to notify SFA of GE<sub>d</sub> crop for use as food and/or feed**

#### **Q1. Developer information**

- (a) Company name
- (b) Unique Entity Number (applicable for entities based in Singapore)
- (c) Address
- (d) Name and designation of contact person
- (e) Contact information

#### **Q2. Basic information on GE<sub>d</sub> crop**

Note: SFA will include only the company name and information provided in Q2 in the List of GE<sub>d</sub> crops that have completed notification that is published on SFA's website.

- (a) Scientific / common name of the crop from which the GE<sub>d</sub> crop was bred
- (b) Commercial / proprietary name of the GE<sub>d</sub> crop
- (c) Marketed traits (e.g., pest resistance, increased vitamin production, longer shelf life)
- (d) Intended use of GE<sub>d</sub> crop (i.e., as human food and/or animal feed)

#### **Q3. Further information on GE<sub>d</sub> crop**

- (a) Provide information on complete and ongoing international regulatory approvals / registrations / notifications in other countries and jurisdictions.
- (b) Indicate if the GE<sub>d</sub> crop has any food safety hazards that are new or at increased levels compared to the conventional counterpart.

#### **Q4. Information on genome edited process and verification**

- (a) Provide the name(s) of genome editing technique(s) used, along with a summary of the genome editing process.

- (b) Provide name(s) and genomic location(s) of the genetic sequence(s) in the organism's genome that has/have been edited, along with known function(s) of the edited sequence(s).
- (c) Provide a description of the intended effect(s) resulting from the genome editing process on the crop.
- (d) Provide a summary of how the sequence alterations in the organism were verified. Verification should be performed using standard molecular biology techniques, such as targeted sequencing, or Next Generation Sequencing (NGS).
- (e) Provide a summary of the measures taken to minimise the probability of off-target genetic alterations during the genome editing process.
- (f) Indicate if off-target alterations in the genome were detected. If off-target genomic alterations were detected, state the observed or predicted effects of said alterations on the organism.
- (g) For the final GEd crop, provide evidence verifying the complete removal of foreign nucleotides (e.g., plasmids, guide RNA, oligonucleotides, carrier DNA) and/or proteins, but which were transiently present in the organism at some point during the genome editing process. Evidence provided should be based on standard molecular biology methodologies such as whole genome sequencing or genomic Southern blotting. Provide a summary of the removal process, including details of the number of generations of segregation or backcrossing where applicable.
- (h) Provide a summary of how the intended phenotypic trait(s) in the final GEd crop was/were verified.
- (i) Provide evidence that the genome alterations resulting from genome editing, as well as the phenotypic traits resulting from said alterations, are stably inherited through several generations and are consistent with applicable laws of inheritance.
- (j) Indicate if the GEd crop could have plausibly been generated using conventional breeding methods. Provide substantiating scientific evidence or reasoning where relevant.
- (k) Indicate if the genetic alterations in the GEd crop could potentially be transferred to another organism that is unable to reproduce with said food crop via conventional breeding techniques.

**Q5. Other information**

- (a) Please provide information on the GE<sub>d</sub> crop that the developer thinks may be relevant but was not requested above.