







GRA&GREEN has developed a gene-editing application platform that utilizes a qenotype-independent system. This innovative system incorporates a highly efficient vector and tool for gene-editing.

- gene App<sup>TM</sup> system utilizes transient expression and can be adapted for use with different types of crops by optimizing the introduction methods. This enables highly efficient gene editing to be performed in a shorter timeframe than traditional techniques.
- 3GE<sup>TM</sup>; we offer advanced gene editing solutions for plants, utilizing topof-the-line editing tools and vectors to ensure maximum efficiency.
- G select<sup>TM</sup> is a system that is designed to search for and sequence specific target genes. This system includes an AI-based program that can predict the target gene sequence, which is useful for controlling the expression level rather than knock-outing.

## **Calling for Partners!**



Mail: info@gragreen.com



Web: https://www.gragreen.com/en



# Gene-editing technology application service

**GRA&GREEN** performs gene editing on the target crop, and provides partners with commercial license of the gene-edited crops/traits.



(option) stage [



#### Target design Technical verification

Standard period: 3 months

Based on the final product image, target plants, varieties. target traits, and target genes Upon request, we will conduct a verification test to see if gene-editing technology can be applied to the object.

stage '



#### Gene-editing

Standard period: 12 months

We will examine the conditions for gene-editing, construct a vector, and perform gene-editing.

We will grow the plant that has undergone gene-editing. analyze the tissue fragments and seeds after flowering and fruiting, and confirm the results of gene-editing.

stage 2



### **Evaluation of traits**

Standard period: 12 months

We will evaluate the presence or absence of the target trait by growing the gene-edited stage 3



#### Notification to regulatory authorities

We perform specialized analysis and data acquisition such as genome analysis necessary for notification to regulatory authorities.



