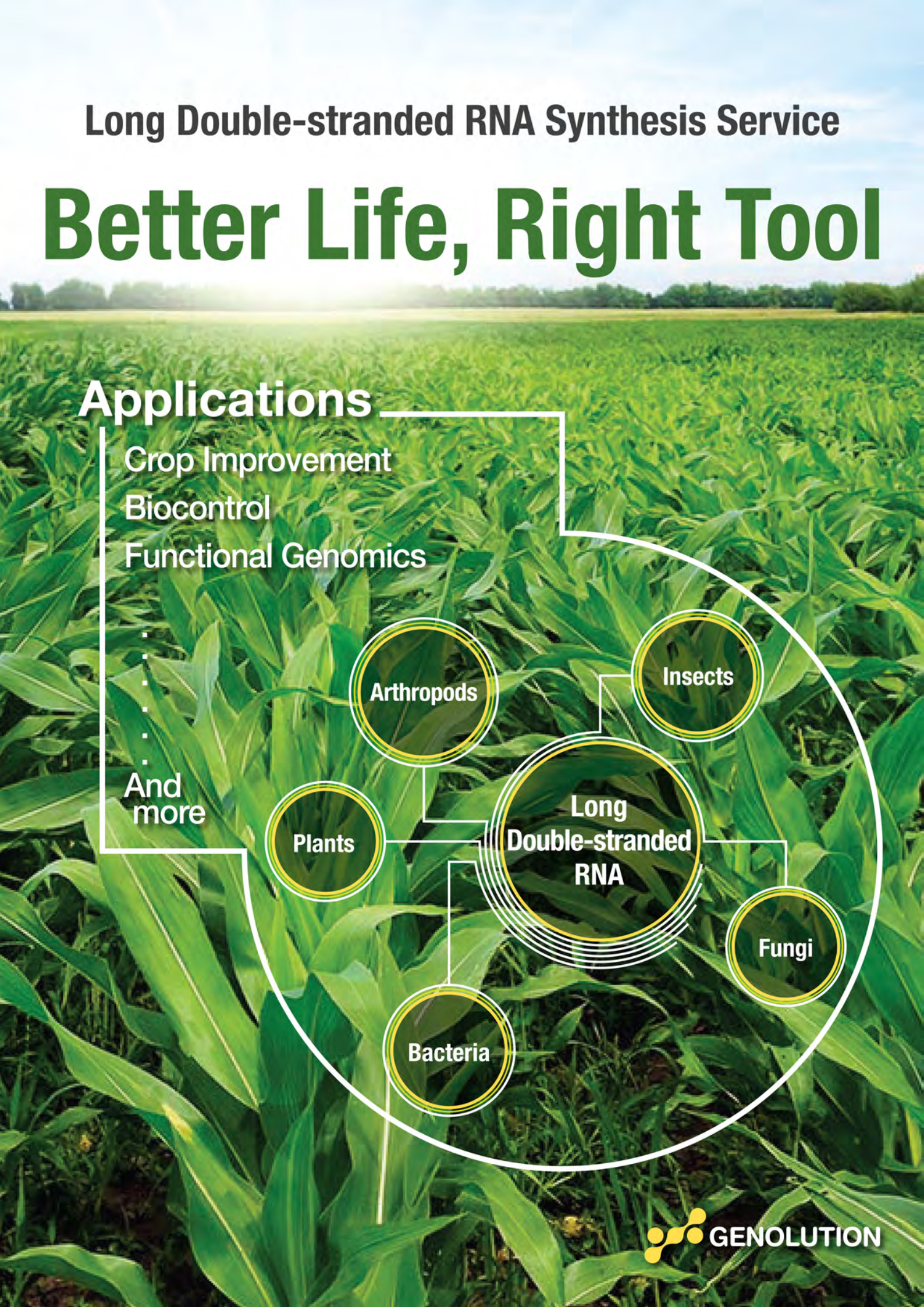
Long Double-stranded RNA Synthesis Service

Better Life, Right Tool



Long Double-stranded RNA Synthesis Service

High Quality dsRNA in Large Scale

Grade

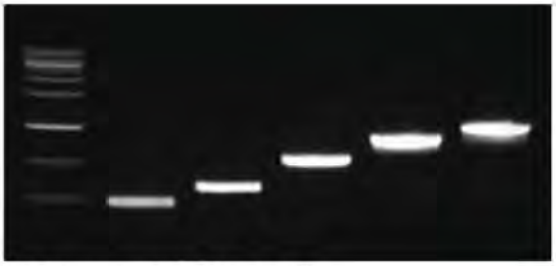
Purity Spec	Grade 1	Grade 2
Description	Unprocessed dsRNA mixture	Dissolved in water
Purification	No	Yes (Standard desalting)
Contains	dsRNA, enzymes, salts, and major free NTP	dsRNA and minor impurities

Scale

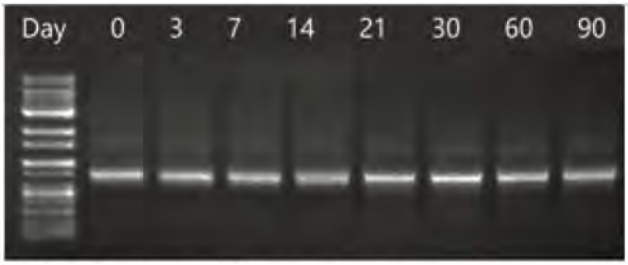
Scale	10 mg	100 mg	1 g	10 g	100 g	1 g
Guaranteed Amount	>70%				>50%	
Turnaround Time	5-6 weeks				6-8 weeks	8-10 weeks

Size from 200 to 800 bp / Pre-annealed as duplex

Performance Data



Wide range of dsRNA length
- Analyzed on a 1% agarose gel



High stability at ambient temperature
- Can be stored at ambient temperature for more than 3 months without any sign of degration

Representative Citations

Insect	Validating the potential of double-stranded RNA targeting Colorado potato beetle mesh gene in laboratory and field trials ◂go to the link *Petek, M. et al. – Front. Plant Sci. (2020)*
Plant	Suppression of Rice Stripe Virus Replication in Laodelphax striatellus Using Vector Insect-Derived Double-Stranded RNAs ◂go to the link *Fang, Y. et al. - Plant Pathol. J. (2020)*
Arthropod	White spot syndrome virus VP28 specific double-stranded RNA provides protection through a highly focused siRNA population. ◂go to the link *Nilsen, P. et al. - Sci. Rep. (2017)*

Find more on our website www.genolution.co.kr

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