

Supplementary Table 1. Rice cultivation area and incidence area of rice panicle blast by provinces of Korea from 2019 to 2021

Province	Year	Rice cultivation area (ha)	Disease incidence area by the rate of diseased panicle (ha) ^a					Total	Proportion of disease incidence area (%)
			Low	Medium	High	Severe			
Gyeonggi	2019	63,254.2	6.1	0.0	0.0	0.0	6.1	0.01	
	2020	74,462.4	359.5	0.0	0.0	0.0	359.5	0.48	
	2021	61,713.0	0.0	0.0	0.0	0.0	0.0	0.00	
Gangwon	2019	27,350.0	438.9	0.0	0.0	0.0	438.9	1.60	
	2020	12,854.4	293.4	0.0	0.0	0.0	293.4	2.28	
	2021	13,030.0	0.0	0.0	0.0	0.0	0.0	0.00	
Chungbuk	2019	28,517.9	0.0	0.0	0.0	0.0	0.0	0.00	
	2020	22,138.3	468.5	0.0	0.0	0.0	468.5	2.12	
	2021	32,168.0	110.4	454.2	0.0	0.0	564.5	1.75	
Chungnam	2019	295,755.0	640.9	0.0	0.0	0.0	640.9	0.22	
	2020	118,425.3	4,448.0	0.2	0.0	0.0	4,448.2	3.76	
	2021	116,371.0	3,020.1	157.3	0.0	0.0	3,177.4	2.73	
Jeonbuk	2019	109,806.1	2,228.7	0.0	16.4	0.0	2,245.1	2.04	
	2020	101,733.5	11,137.9	480.5	0.0	0.0	11,618.4	11.42	
	2021	110,843.0	16,918.0	11,139.2	2,458.2	191.7	30,707.1	27.70	
Jeonnam	2019	185,185.3	2,544.6	5,729.3	2,878.1	0.0	11,152.0	6.02	
	2020	148,554.0	2,420.2	431.8	0.0	0.0	2,852.0	1.92	
	2021	151,885.0	8,029.9	267.8	99.8	0.0	8,397.6	5.53	
Gyeongbuk	2019	95,156.0	696.5	0.0	0.0	0.0	696.5	0.73	
	2020	68,097.5	6,161.6	2,374.7	0.0	0.0	8,536.3	12.54	
	2021	89,362.0	585.8	26.7	417.1	83.0	1,112.6	1.25	
Gyeongnam	2019	62,471.0	470.6	658.1	0.0	0.0	1,128.7	1.81	
	2020	62,884.0	1,483.0	0.0	0.0	0.0	1,483.0	2.36	
	2021	64,920.0	872.5	0.0	0.0	0.0	872.5	1.34	

^aThe rate of diseased panicle is divided into low ($\leq 5\%$), medium (6-10%), high (11-20%), and severe ($\geq 21\%$) levels.