

**Supplemental Table 1.** Disease scores used to assess the virulence of brown spot of rice in the field

Score	Infected leaf area of total (%)	Lesion type
0	0	No lesions observed
1	<1	Typical lesions: Minute brown spots (i. e., brown spot disease)
2	1–3	Brown spots
3	3–5	Brown spots
4	5–10	Most of the lesions are brown spot, but some large spots with a grayish center are slightly appeared
5	10–15	Half of the lesions are large spots
6	15–20	More than 2/3 of total lesions are large spots
7	20–30	Most of the lesions are large spots
8	30–50	Most of the lesions are large spots
9	>50	Most of the lesions are large spots

Based on the rapid assessment scale for brown spot disease reported by Matsumoto *et al.* (2014).