表一、花蓮地區水稻品種間白葉枯病不同罹病率對產量及產量構成要素的影響（1998-2000）

Table 1. Grain yield and yield components under different severity of bacterial leaf blight among rice varieties in Hualien area, the fist crop of 1998-2000.

Crop*	Location	Cultivar	Disease severity**	Grain yield (kg/ha)	Panicle number per hill	Panicle weight (g)	Spickelets per panicle	Seed-set (%)	1000 grain wt. (g)
I	Fenglin	TK2	Light	6474a***	17.5	2.6	98.6	84.6	27.1
			Medium	6269a	17.0	2.2	95.4	83.5	26.9
			Heavy	5865a	15.5	2.1	92.0	82.7	26.2
		TK9	Light	5426a	16.5	2.3	112.0	78.4	25.7
			Medium	5169a	15.5	2.0	89.3	75.7	25.7
			Heavy	5030a	15.2	2.0	84.7	76.1	25.3
		TK16	Light	5071a	17.6	2.6	108.4	78.5	27.2
			Medium	4953a	17.2	2.5	107.7	75.6	26.9
			Heavy	3165b	15.1	2.0	93.4	49.4	24.0
	Yuli	TK2	Light	6236a	23.5	2.3	95.7	86.5	27.0
			Medium	6169a	22.3	2.4	96.1	85.2	27.7
			Heavy	5653a	21.8	2.0	83.8	82.3	25.6
		TK9	Light	6212a	19.7	2.0	99.6	78.6	24.6
			Medium	5997a	18.9	2.2	92.0	78.4	24.4
			Heavy	5630a	16.8	1.9	89.1	70.0	23.3
		TK16	Light	6796a	21.4	2.9	119.5	80.0	26.9
			Medium	6612a	20.6	2.3	98.0	78.5	26.5
			Heavy	6483a	20.8	2.3	96.9	75.8	26.2
	Fuli	TK9	Light	6261a	20.6	2.3	88.3	84.7	24.6
			Medium	5826a	20.3	2.2	81.4	82.8	24.8
			Heavy	5194b	19.8	2.0	77.1	74.2	24.4
		TK16	Light	6922a	20.4	2.4	92.8	83.4	26.5
			Medium	6508ab	19.9	2.3	87.4	81.6	26.0
			Heavy	6325b	19.0	2.1	82.2	81.4	26.2
		KH139	Light	6652a	22.7	2.1	80.1	82.4	26.8
			Medium	6388ab	22.0	2.0	70.6	80.5	26.3
			Heavy	5897b	21.3	1.8	66.0	77.3	26.4

*Means of the first crop from 1998 to 2000.

**Disease severity : Light (the injury rate of disease area on the flag leaf :0~1/3).

Medium (the injury rate of disease area on the boot leaf :1/3~2/30).

Heavy (the injury rate of disease area on the boot leaf :over 2/3).

***Means followed by the same letters in a column are not significantly different at 5% level by L.S.D.

表二、花蓮地區水稻品種間白葉枯病不同罹病率對產量及產量構成要素的影響（1998-2000）

Table 2. Grain yield and yield components under different severity of bacterial leaf blight among rice varieties in Hualien area, the second crop of 1998-2000.

Crop*	Location	Cultivar	Disease severity**	Grain yield (kg/ha)	Panicle number per hill	Panicle weight (g)	Spickelets per panicle	Seed-set (%)	1000 grain wt. (g)
Ⅱ	Fenglin	TK2	Light	5445a	16.5	2.4	99.5	87.6	27.8
			Medium	5106a	15.2	2.1	98.8	81.1	27.8
			Heavy	4922a	15.0	2.3	98.7	78.8	26.2
		TK9	Light	5277a	13.9	2.5	109.4	82.4	26.2
			Medium	5126a	12.6	2.6	107.4	81.5	26.7
			Heavy	5015a	12.1	2.5	101.7	77.7	25.8
		TK16	Light	6425a	16.2	2.8	126.8	78.6	25.0
			Medium	6013a	15.9	2.5	114.8	76.8	24.4
			Heavy	4942b	15.1	2.4	98.9	71.6	23.5
	Yuli	TK2	Light	5340a	18.3	2.0	92.1	89.4	26.5
			Medium	4589ab	16.5	2.0	85.9	88.3	26.2
			Heavy	4186b	16.1	1.8	84.4	81.7	25.3
		TK9	Light	5211a	16.9	2.4	95.2	82.0	24.7
			Medium	4950ab	16.8	2.1	90.7	73.2	24.4
			Heavy	4432b	15.6	1.9	91.6	73.8	23.4
		TK16	Light	4895a	16.3	2.7	134.9	81.2	22.9
			Medium	4821a	15.9	2.4	122.8	78.2	22.7
			Heavy	4296a	14.6	2.1	123.1	67.9	22.3
	Fuli	TK9	Light	5595a	16.3	2.3	102.5	85.3	25.8
			Medium	5375a	15.2	2.4	101.3	84.5	25.7
			Heavy	4313b	14.5	1.9	97.6	69.5	24.3
		TK16	Light	5287a	16.9	2.4	116.7	85.9	24.8
			Medium	5018a	14.9	2.3	105.9	84.6	24.1
			Heavy	4534a	15.5	2.1	103.9	73.1	23.3
		KH139	Light	5200a	17.1	2.1	93.2	84.4	26.2
			Medium	4695a	16.8	2.0	90.4	81.7	25.8
			Heavy	4651a	16.4	1.9	87.7	76.2	25.4

*Means of the second crop from 1998 to 2000.

**Disease severity : Light (the injury rate of disease area on the flag leaf :0~1/3).

Medium (the injury rate of disease area on the flag leaf :1/3~2/30.

Heavy (the injury rate of disease area on the flag leaf :over 2/3).

***Means followed by the same letters in a column are not significantly different at 5% level by L.S.D.