

表一、宜蘭及花蓮地區施用米糠試驗田區之雜草調查

Table 1. List of different species of weeds in the field plots treated with rice bran in Ilan and Hualien.

Scientific name	Family	Chinese name	Chinese alias names
<i>Monochoria vaginalis</i> (Burm. F.) Presl	Pontederiaceae	鴨舌草	田芋仔；豬兒菜
<i>Lindernia procumbens</i> (Krock.) Borbas	Scrophulariaceae	陌上草	母草
<i>Echinochloa crusgalli</i> (L.) P. Beauv.	Gramineae	稗	芒早稗；水田草
<i>Schoenoplectus juncooides</i> (Roxb.) Palla	Cyperaceae	蜚蠊	大井氏水莞
<i>Sphenoclea zeylanica</i> Gaertn.	Sphenocleaceae	尖瓣花	密穗桔梗；木空菜
<i>Paspalum distichum</i> L.	Gramineae	雙穗雀稗	硬骨草；澤雀稗
<i>Fimbristylis miliacea</i> (L.) Vohl	Cyperaceae	木蝨	日照飄拂草；扁仔草
<i>Cyperus iria</i> L.	Cyperaceae	碎米莎草	米莎草；三方草
<i>Ludwigia hyssopifolia</i> (G. Don) Exell.	Onagraceae	細葉水丁香	草龍；丁香蓼
<i>Sagittaria pygmaea</i> Miq.	Alismataceae	瓜皮草	線慈菇；矮慈菇；鳳梨草
<i>Bolboschoenus planiculmis</i> (F. Schmidt) T. Koyama	Cyperaceae	扁稗薦草	雲林莞草
<i>Capsella bursa-pastoris</i>	Brassicaceae	薺菜	護生草、地菜、地米菜
<i>Alternanthera sessilis</i> (L.) R. Brown	Amaranthaceae	蓮子草	滿天星
<i>Rotala indica</i> (Willd.) Koehne	Lythraceae	印度水豬母乳	濕生節節菜
<i>Alternanthera philoxeroides</i> (Mart.) Griseb.	Amaranthaceae	空心蓮子草	長梗滿天星
<i>Veronica undulata</i> Wall.	Scrophulariaceae	水苦買	水萵苣、水菠菜

表二、不同米糠施用量對於雜草生育之影響

Table 2. Effects of rice bran treatment on weeds fertility.

Species of weeds	Treatment 1 ^z				Treatment 2				Treatment 3				Control		
	N	FW ^y	RR ^x	DW ^w	N	FW	RR	DW	N	FW	RR	DW	N	FW	DW
<i>Echinochloa crusgalli</i> (L.) P. Beauv.	8	18.150	5%	1.839	10	13.780	4%	1.532	10	41.314	11%	3.894	55	362.400	36.297
<i>Fimbristylis miliacea</i> (L.) Vohl	25	0.021	13%	0	6	0.005	3%	0	18	0.016	11%	0	70	0.152	0.019
<i>Lindernia procumbens</i> (Krock.) Borbas	22	0.053	9%	0	18	0.088	15%	0	11	0.026	4%	0	71	0.592	0.133
<i>Veronica undulata</i> Wall.	7	0.007	27%	0	8	0.011	42%	0.002	2	0.003	12%	0	14	0.026	0
<i>Monochoria vaginalis</i> (Burm. F.) Presl	0	0	0	0	2	0.007	233%	0	0	0	0	0	4	0.003	0
Total	62	18.231	5%	1.839	44	13.89	4%	1.534	41	41.359	11%	3.894	214	363.17	36.449

^zMeans of different rice bran application amounts. Treatment 1: 1,500 kg/ha; 2: 1,000 kg/ha; 3: 500 kg/ha; control: 0 kg/ha.

^yFresh weight (g).

^xRelative ratio. Means of 100%* treatment/control.

^wDry weight (g).