

Table 1. Varietal difference of leaf area index at each growth stage in rice.

Cultivar	30DAT	55DAT	HD			$\frac{B}{A} \times 100$		$\frac{C}{A} \times 100$	
			(A)	(B)	(C)				
						%		%	
Tamjin -byeo	2.2	4.9	5.6	4.7	3.8	84	68		
SR7796 -B-1-5 -1-1	1.8	4.2	5.0	4.2	3.0	84	60		
SR11269 -13-3-4 -2	2.0	5.0	4.8	4.9	3.6	80	68		

Note : DAT: Days after transplanting, HD: Heading
DAH: Days after heading

Table 2. Varietal difference of dry matter weight at each growth stage in rice.

Cultivar	30DAT	55DAT	HD			$\frac{B-A}{C-A} \times 100$		$\frac{C-B}{C-A} \times 100$	
			(A)	(B)	(C)				
			g/m ²			%		%	
Tamjin -byeo	208	483	1000	1257	1431	60	60		
SR7796 -B-1-5 -1-1	191	488	843	1241	1382	68	32		
SR11269 -13-3-4 -2	230	623	1117	1460	1606	70	30		

Note : DAT: Days after transplanting, HD: Heading date
DAH: Days after heading

Table 3. Varietal difference of panicle weight at each growth stage in rice.

Cultivar	HD	20DAH			$\frac{B-A}{C} \times 100$		$\frac{C-B}{A} \times 100$	
		(A)	(B)	(C)				
		g/m ²			%		%	
Tamjin -byeo	128	460	681	48	33			
SR7796 -B-1-5 -1-1	104	448	629	55	28			
SR11269 -13-3-4 -2	110	512	701	57	28			

Note : HD : Heading date, DAH : Days after heading

Table 5. Varietal difference of yield components and yield in rice.

Cultivar	Head date	No. of panicles per plant	No. of spikelets per plant	No. of spikelets per m ²	Filled grain ratio	1,000 grain weight		Field Yield kg/10a	Field lodging 0-9
						g	g		
Tamjin -byeo	Aug. 21	13.8	87.4	28.8	91.1	24.7	537	0	
SR7796 -B-1-5 -1-1	Aug. 11	10.3	82.8	20.2	75.4	37.8	457	7	
SR11269 -13-3-4 -2	Aug. 16	10.1	84.1	20.2	75.0	35.4	488	0	

Table 4. Changes of distribution rate of each part at each growth stage in rice.

Cultivar	30DAT			50DAH			HD			20DAH			45DAH			
	GL	YL	ST	GL	YL	ST	GL	YL	ST	GL	YL	ST	GL	YL	ST	
Tamjin -byeo	35	53	35	57	25	1	57	13	21	1	41	37	17	2	34	47
SR7796 -B-1-5 -1-1	36	49	33	58	25	2	56	11	17	3	42	36	15	5	37	44
SR11269 -13-3-4 -2	30	45	30	62	24	1	61	10	16	2	46	33	14	4	41	42

Note : DAT : Days after transplanting HD : Heading date
DAH : Days after heading GL : Green leaf
YL : Yellow leaf ST : Stem PN : panicle

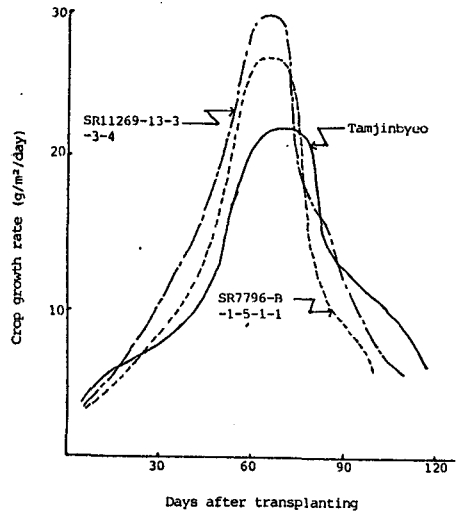


Fig. (Changes of crop growth rate in rice plants