

## 92-Y-93 Rice

92-Y-93 is an early maturing long-grain experimental line. It has headed an average of 2 and 5 days earlier than L-202 and L-203, respectively. 92-Y-93 plants are awnless and have glabrous leaves and hulls. It has colorless, non-glutinous, non-aromatic endosperm with apparent starch amylose content of 23.3%. The amylose content is about 2% lower than L-202 and L-203, and is similar to traditional Southern U.S. long-grains. 92-Y-93 yielded about 7% higher than L-202 and similar to L-203. The main advantage of 92-Y-93 over L-202 and L-203 is its superior head rice yield.

Yields and additional characteristics of 92-Y-93, L-202 and L-203 from 20 replicated tests as well as milling studies are given in the appended pages.

About 200 cwt foundation seed was produced in 1995.



Rice Experiment Station  
Biggs, CA  
December, 1995

Comparison of Early Long Grain 92Y93  
with L-202 and L-203

Location	Year	Yield in lb/acre at 14% Moist.		
		L-202	92Y93	L-203
Butte (RES)	-92	8930	9740	8990
Yolo	-92	10720	10900	10750
Yuba	-92	8440	9560	9280
Colusa	-92	7890	9970	8830
Butte (RES)	-93	9450	9690	9930
Yolo	-93	9460	*10140*	9330
Yuba	-93	8600	*9010	8870
Colusa	-93	8630	8620	8960
Butte (RES)	-94	10040	10350	10520
Yolo	-94	10670	11420*	10310
Yuba	-94	5860	*7550*	7020
Colusa	-94	9040	*10010	9410
Butte (RES)	-95	9040	*9790	9510
Butte	-95	7520	7810	8150
Yuba	-95	6760	*7590	7250
Colusa	-95	7520	7810	8150
Butte (RES)	-95	9760	10450	10300
Sutter	-95	8310	*9280	9210
Yolo	-95	10020	10220	9920
San Joaquin	-95	8010	8140	7850
Average (20 Tests)		8774	9444	9204

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Grain Moist. at Harvest	(1992-95)	17.1	16.3	16.6
No. of days to 50% Heading	"	93	88	90
Plant Height (cm)	"	81	85	81
% Lodging	"	2	3	1
Seedling vigor (5=best)	"	3.8	4.2	4.2
% Blanking	"	17	25	15
Stem Rot Score	"	6.7	6.6	6.3
Aggregate Sheat Spot	"	2.5	2.4	2.6
Brown Rice Length (mm)	(1995)	7.9	8.1	8.0
Brown Rice Width (mm)	"	2.3	2.5	2.4
Brown Rice Seed Weight (mg)	"	22.3	25.6	25.0
Apparent Amylose (%)	(1993-94)	24.9	23.3	25.0
Alkali Spreading at 1.7% KOH		3-5	3-5	3-5
% Head Rice, see attached				



December, 1995

Harvest Moisture and Milling Yields of 92-Y-93, L-202 and L-203 at RES, 1993-95  
(Samples were milled at 13% grain moisture)

Year	Date	92-Y-93			L-202			L203		
		Harvest Moist.	% Total	% Head	Harvest Moist.	% Total	% Head	Harvest Moist.	% Total	% Head
1993	9/10	22.5	69.0	55.0	23.3	68.2	54.2	22.2	69.3	46.6
	9/14	21.3	69.9	57.9	22.5	68.2	56.5	20.1	69.4	52.0
	9/17	21.0	70.7	60.0	21.7	68.6	58.1	19.4	70.4	55.2
	9/21	20.2	71.3	62.4	20.9	69.3	59.7	18.4	70.9	57.1
	9/24	17.5	71.0	61.6	18.4	69.8	58.7	16.1	70.8	56.7
	9/28	15.3	71.3	59.0	16.5	70.3	54.7	14.5	70.4	46.2
	10/1	--	--	--	15.9	69.9	51.6	--	--	--
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	MEAN	19.6	70.5	59.3	19.8	69.2	56.2	18.8	70.2	52.3
1994	8/26	24.8	65.5	49.5	--	--	--	--	--	--
	8/30	21.9	66.6	53.8	22.4	65.3	34.6	21.4	66.4	36.1
	9/2	21.6	68.3	54.6	21.1	66.2	47.2	20.8	66.0	39.2
	9/6	21.4	68.2	56.6	20.4	65.8	52.0	19.6	67.0	47.0
	9/9	19.3	68.6	59.3	18.0	66.2	51.2	18.0	66.7	48.0
	9/13	18.1	68.2	59.6	17.4	66.5	51.7	17.6	66.9	46.4
	9/16	14.6	69.0	56.6	15.2	66.5	48.2	15.6	67.4	46.0
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	MEAN	20.2	67.8	55.7	19.1	66.1	47.5	18.8	66.7	43.8
1995	9/14	23.5	65.3	45.4	--	--	--	--	--	--
	9/18	21.5	66.3	53.3	23.1	64.1	36.6	22.0	65.5	32.6
	9/21	20.6	67.6	56.2	21.7	64.8	47.2	21.7	66.2	41.7
	9/25	18.6	68.6	58.0	20.3	66.6	49.6	20.7	67.0	41.8
	9/28	17.8	69.0	59.7	18.6	67.0	51.0	18.8	67.8	42.6
	10/2	15.1	68.7	57.0	--	--	--	16.1	69.0	50.1
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	MEAN	19.5	67.6	54.9	20.9	65.6	46.1	19.9	67.1	41.8