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ERRATUM

Alternative Forms for Production Functions of Irrigated Crops: Correction

Michael R. Moore, Noel R. Gollehon, and Donald H. Negri

Two regrettable typographical errors appeared in our recent paper published in the Volume 44, Number 3, issue of this journal

(1) On page 19, several elements of Table 1 are described incorrectly. A correct version of Table 1 is printed below

Table 1—Characteristics of crop-specific variables¹

Crop	Unit	Irrigated crop yield		Irrigation water-application-rate ²		Irrigated acres		Percentage of observations by irrigation technology ³	
		Mean	Std dev	Mean	Std dev	Mean	Std dev	Gravity	Sprinkler
-----Percent-----									
Alfalfa	tons	4 33	2 05	29 1	19 5	263	560	59 7	39 6
Barley	bu	79 5	26 5	20 7	14 5	253	515	51 3	47 7
Corn silage	tons	20 40	5 69	24 0	14 3	158	291	70 0	29 7
Cotton	lbs	916	371	32 5	20 5	936	2,727	86 5	12 8
Dry beans	cwt	20 43	6 03	22 6	13 6	200	286	57 9	41 9
Grain corn	bu	132 1	31 9	22 1	13 3	606	1,085	53 9	45 6
Grain sorghum	bu	86 0	27 3	16 9	10 0	328	397	71 9	27 6
Other hay	tons	2 14	1 21	22 9	16 7	594	1,381	78 5	19 4
Potatoes	cwt	348	121	28 2	16 1	447	707	18 3	80 4
Rice	cwt	67 8	13 0	62 5	21 2	856	1,033	100 0	0 0
Soybeans	bu	37 9	10 9	12 1	8 1	196	226	50 5	49 5
Sugar beets	tons	23 4	5 7	32 9	16 6	319	386	74 7	25 3
Wheat	bu	73 6	26 9	19 1	13 2	441	921	53 4	46 6

¹Space limitations do not permit listing of the statistical characteristics or percentages of remaining variables used in the analysis. They are available from the authors.

²Irrigation water application rate measured as acre-inches per acre.

³The percentage of observations in other irrigation technologies is the difference between 100 percent and the percentages in gravity and sprinkler technologies.

(2) On page 23, the column headings for the continuation of Table 2 are incorrect. The correct version of the page 23 portion of Table 2 is

Table 2—Crop-water production function estimates, Cobb-Douglas specification (continued)

Independent variable	Irrigated crop			
	Rice	Soybeans	Sugar beets	Wheat
	<i>Cwt</i>	<i>Bu</i>	<i>Tons</i>	<i>Bu</i>
Adjusted R ²	0.539	0.096	0.369	0.373
No. observations	142	333	288	1,923

¹Numbers in parentheses are t-statistics.

²As described in the text, coefficients on the land variable measure returns to scale because the production functions are on a per-acre basis.

³d v = dummy variable.

⁴NA = insufficient observations available to estimate the variable.

References

Moore, Michael R , Noel R Gollehon, and Donald H Negri 1993 "Alternative Forms for Production Functions of Irrigated Crops," *The Journal of Agricultural Economics Research* Vol 44, No 3, pp 16-32

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