

# **APPENDIX**

## **E**

**TABLE 6**  
**PLANT FOOD UTILIZATION BY VARIOUS CROPS\***

<u>FIELD CROPS</u>	<u>YIELD</u>	<u>POUNDS PER ACRE</u>		
		<u>N</u>	<u>P<sub>2</sub>O<sub>5</sub></u>	<u>K<sub>2</sub>O</u>
Barley	2 1/2 t.	160	60	160
Canola (whole plant)	4,000 lbs	240	120	190
Corn (grain)	5 t.	240	100	240
Corn (silage)	30 t.	250	105	250
Cotton (lint)	1,500 lbs.	180	65	125
Grain sorghum	4 t.	250	90	200
Oats	3,200 lbs.	115	40	145
Rice	7,000 lbs.	110	60	150
Safflower	4,000 lbs.	200	50	150
Sugar Beets	30 t.	255	60	550
Wheat	3 t.	175	70	200
<u>VEGETABLE CROPS</u>				
Asparagus	3,000 lbs.	95	50	120
Beans (snap)	10,000 lbs.	175	40	200
Broccoli	18,000 lbs.	80	30	75
Cabbage	35 t.	270	65	250
Celery	75 t.	280	165	750
Lettuce	20 t.	95	30	200
Potatoes (Irish)	500 cwt.	270	100	550
Squash	10 t.	85	20	120
Sweet potatoes	15 t.	155	70	315
Tomatoes	30 t.	180	50	340
<u>FRUIT AND NUT CROPS</u>				
Almonds (in shell)	3,000 lbs.	200	75	250
Apples	15 t.	120	55	215
Cantaloupes	30 t.	220	70	400
Grapes	15 t.	125	45	195
Oranges	30 t.	265	55	330
Peaches	15 t.	95	40	120
Pears	15 t.	85	25	95
Prunes	15 t.	90	30	130
<u>FORAGE CROPS</u>				
Alfalfa	8 t.	480	95	480
Bromegrass	5 t.	220	65	315
Clover-grass	6 t.	300	90	360
Oats**	12 t.	140	-	-
Orchard grass	6 t.	300	100	375
Sorghum-sudan	8 t.	325	125	475
Timothy	4 t.	150	55	250
Vetch	7 t.	390	105	320
<u>TURF CROPS</u>				
Bent grass	2 1/2 T.	225	80	160
Bermuda grass	4 T.	225	40	160

Levels of Nitrogen utilization are proportional to crop yield and can be adjusted accordingly.

\* From Western Fertilizer Handbook (1995)

\*\* Cooperative Extension Recommendation

**001444**