Thursday, March 11, 1909.1

winter, and barnyard manures ap-

plied to the land together with suffi-

## **A Disgrace for Cotton Lands to Wear** Out.

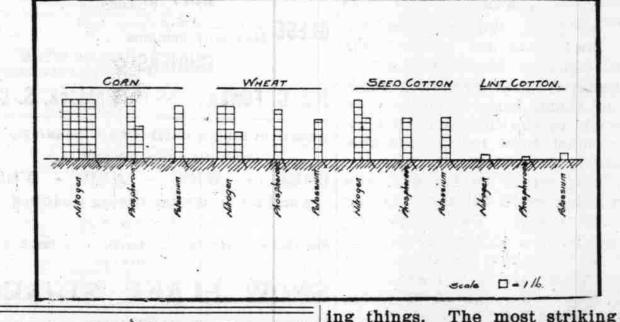
When the Seed or Their Equivalent are Returned to the Soil, Cotton is the Least Exhaustive Crop That Men Grow-Wheat 19 Times as Exhaustive and Corn 30 Times.



HERE is no excuse under us see, and at the same time comheaven for cotton lands pare with corn and wheat on the "wearing out." Wth proper basis of the average yield of each rotation, cover crops on the land in crop per acre in the United States.

We have the following facts:

				and the second se
Crops.	Nitro.	Phos.	Potas.	Totals.
COTTON:				
190 lbg lint	•65	.19		
414 lbs. seed	12.92	5.26	4.84	6 D. I.
				and the
TOTAL	13.57	5.45	5.71	24.73
		Sec. 25.	1 10 10 2	
4,000 IDS. SLOV I	41.61	11.60	56.00	1. 1.1
		00.00	00 00	100 01
WHEAT:	73.74	23.96	63-06	160.71
	19.75	7.44	5.1	
9 200 lbs strow				the states
				1.1.1.1
Total	33.32	10.20	16.83	60,35
This table	snow	s seve	ral in	terest-
	Cotton: 190 lbs. lint 414 lbs. seed Total Corn: 29.4 bu. grain. 4,000 lbs. stov'r Total WHEAT: 13.95 bu, grain 2,300 lbs. straw Total	Crops. Nitro.   Cotton: .65   190 lbs. lint .65   414 lbs. seed 12.92   Total 13.57   CORN: 29.4 bu. grain.   29.4 bu. grain. 32.14   4,000 lbs. stov'r 41.61   Total 73.74   WHEAT: 13.57   2,300 lbs. straw 13.57   Total 33.32	Crops. Nitro. Phos.   Corron: 190 lbs. lint .65 .19   414 lbs. seed 12.92 5.26   Total 13.57 5.45   CORN: 29.4 bu. grain. 32.14 12.36   41.00 lbs. stov'r 41.61 11.60   Total 73.74 23.96   WHEAT: 19.75 7.44   2,300 lbs. straw 13.57 2.76   Total 33.32 10.20	Crops. Nitro. Phos. Potas.   COTTON: 190 lbs. lint .65 .19 .87   414 lbs. seed 12.92 5.26 4.84   Total 13.57 5.45 5.71   CORN: 29.4 bu. grain. 32.14 12.36 7.06   41.00 lbs. stov'r 41.61 11.60 56.00   Total 73.74 23.96 63.06   WHEAT: 13.57 2.76 11.73   33.32 10.20 16.83





reference to the demands on the soil of course we should not apply the made by each crop, as is shown in the table below, and more clearly feed them to stock and so get both indicated by the diagram:

Crop.	Nitro.	Phos.	Potas.	Total,
190 lbs. lint	.65	.19	.87	1.71
29.4 bu. corn	32.14	12.36	7.06	51 56
13.95 bu. wheat	19.75	7.44	5.10	32.29

In respect then to the amounts of nitrogen, phosphorus and potassium required for average acre yields of cotton, wheat and corn in the United States, wheat calls for 19 times as much of these elements as cotton, and corn calls for 30 times as much as cotton.

The greatest demand on the soil by the cotton plant is for seed production. For the average yield, 13 pounds of nitrogen, 5 pounds of phosphorus, and 6 pounds of potassium are used. If we apply to the soil manure or fertilizer containing the same fertilizing value as the seed, cotton becomes at once the least exhaustive crop that men grow. But



seed themselves. We should first feeding and fertilizing values, besides the needed humus that the barnyard manure alone will supply.



The success of your business of farming depends on your individual efforts, on the seasons, on conditions at the

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