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A MEASURE OF A DAY'S WORK

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ENGINEERING TABLES HAVE BEEN FORMULATED FROM ACCUMULATED DATA INDICATING CERTAIN MEASURES OF THE AMOUNT OF ENGINEERING WORK THAT SHOULD BE PERFORMED IN A GIVEN TIME. SUCH STANDARDS ARE FAR MORE DIFFICULT TO ESTABLISH IN FARM LABOR BECAUSE OF THE WIDE VARIATION IN THE CONDITIONS THAT AFFECT THE AMOUNT OF WORK DONE IN A UNIT OF TIME. IN PRESENTING THE MATERIAL THAT FOLLOWS THE INTENTION IS NOT TO FORMULATE ANY STANDARDS BUT TO SHOW WHAT WAS ACCOMPLISHED ON TWENTY-FOUR FARMS COVERING FROM SEVEN TO TEN YEARS OF INVESTIGATION. THE NUMBER OF ACRES COVERED IN ANY CERTAIN NUMBER OF HOURS THAT MAY CONSTITUTE A DAY HAS BEEN OBTAINED BY KNOWING THE NUMBER OF MAN HOURS REQUIRED PER ACRE. THESE DATA ARE PUBLISHED IN DETAIL IN MINN. BUL. 157.

AVERAGE TIME OF ONE MAN ON COMMON FARM OPERATIONS

Operation	Machines Kind	Machines Size	Number of Horses Used	Man* Hours per Acre	(Computed from column*) Number of Acres Covered In 8 Hours	In 9 Hours	In 10 Hours	In 11 Hours	In 12 Hours	Number of Acres Used in Tabulations
Plowing	sulky	16"	3	3.2	2.5	2.8	3.1	3.4	3.7	13,824
"	gang	12&14	4	2.8	2.8	3.1	3.5	3.9	4.3	6,364
"	"	"	5	2.5	3.2	3.6	4.0	4.4	4.8	14,718
Disking		8'	4	.62	12.9	14.5	16.1	17.7	19.4	29,219
Harrowing	spike	16'	3	.47	17.0	19.0	21.0	23.0	25.0	8,809
"	"	18-22'	4	.38	21.0	24.0	26.4	29.0	31.0	19,280
Seeding	drill	8'	3	.69	11.6	13.0	14.5	16.0	17.4	6,307
"	"	9-10'	4	.63	12.7	14.3	16.0	17.5	19.0	18,208
Planting corn			2	.88	9.1	10.2	11.4	12.5	13.6	6,270
Cutting "			3	1.8	4.4	5.0	5.6	6.1	6.7	3,797
Cultivating "	once	1 row	2	1.9	4.25	4.75	5.3	5.8	6.3	6,270
Cutting grain		6&7'	4	.88	9.1	10.2	11.3	12.5	13.7	25,542
Shocking "	hand			1.09	7.3	8.2	9.2	10.1	11.0	26,708
Mowing hay	1 cut	5'	2	1.2	6.6	7.5	8.3	9.1	10.0	5,796
" "	2 cut	5'	2	1.1	7.2	8.2	9.1	10.0	10.9	183
Raking "		10'	2	.66	12.0	13.5	15.1	16.7	18.2	5,979
Cocking "	hand			1.1	7.2	8.2	9.1	10.0	10.9	4,818
Threshing	shock			2.6	3.1	3.5	3.9	4.3	4.7	26,708
"	stack			2.0	4.0	4.5	5.0	5.5	6.0	11,546

THE ABOVE DATA REPRESENT THE TIME SPENT IN THE FIELD BUT NOT IN ACTUAL MOTION. IT HAS BEEN ESTIMATED THAT ON THE AVERAGE ONE-FIFTH OF THE TIME IN THE FIELD IS SPENT IN SOME OR ALL OF THE FOLLOWING WAYS:

(A) GOING TO AND FROM THE FIELD;
(B) ADJUSTING MACHINERY;
(C) REPAIRING MACHINERY, HARNESS, ETC;
(D) REMOVING ROCKS, ROOTS, AND RUBBISH FROM PATH OF MACHINE;
(E) TURNING AND DRIVING AROUND CORNERS AND ENDS;
(F) TALKING TO NEIGHBORS AND PASSERSBY;
(G) RESTING, STOPS BY SHOWERS, STORMS, ETC.