

plots. As might be expected, however, on this soil, which is very sour, the ground-rock phosphate used without lime has increased the yield, in this case by 52 per cent. Ephos with lime has not increased the yield, while Ephos alone (if experimental error is allowed for) has given somewhere about the same return as Nauru ground rock. On sweeter and drier soil Ephos would probably have acted much more quickly than rock phosphate used alone.

Since the rainfall and its distribution have such an important influence upon the growth of pasture-plants, the following record, kindly supplied by the Director of the Dominion Meteorological Office, is of interest :—

Year.	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
<i>Rainfall (Inches).</i>													
1921 ..	1.93	1.35	1.86	1.67	2.87	3.70	5.30	6.96	2.93	8.84	5.54	8.42	51.37
1922 ..	3.82	2.14	8.39	4.67	1.54	1.92	3.34	4.22	2.36	4.23	4.15	4.12	44.90
<i>Number of Wet Days.</i>													
1921 ..	11	4	9	9	13	16	19	18	11	21	14	14	159
1922 ..	15	10	24	13	12	18	15	16	13	13	21	17	187

TESTING OF PUREBRED DAIRY COWS.

FEBRUARY CERTIFICATE-OF-RECORD LIST.

Dairy Division.

THE following list comprises the records of cows which received certificates during February, 1923 :—

Name of Cow and Class.	Tested by	Age at starting Test.	Fat req'd for Cert.	Yield for Season.		
				Days.	Milk.	Fat.
JERSEYS.						
<i>Junior Two-year-old.</i>		Yrs. dys:	lb.		lb.	lb.
August's Cherrybud ..	J. Nicolson, Kaipokonui	1 360	240.5	365	9,490.7	569.29
Holly Oak's Tiny ..	H. P. Pickerill, Ravensbourne	2 0	240.5	365	8,400.1	489.23
Wairoa's Gleam ..	H. J. Berry, Kaipokonui	2 38	244.3	365	8,321.5	488.78
Heroine's Pride's Idol	H. J. Berry, Kaipokonui	1 358	240.5	365	7,616.2	469.81
Ivondale's Glory ..	P. J. Petersen, Waitara	2 32	243.7	344	7,192.6	400.40
Abberly Naomi ..	H. E. B. Watson, Christchurch	1 326	240.5	365	8,144.4	392.70
Holly Oak's Rose ..	H. P. Pickerill, Ravensbourne	2 31	243.6	365	7,695.0	386.88
Ulster Lassie ..	W. A. Officer, Inglewood	1 297	240.5	325	6,064.3	372.18
Rosemont Princess ..	E. L. Rose, Pukekohe	1 342	240.5	365	5,922.6	356.28
Queen Maggie ..	A. Mouldy, Tirau ..	2 11	241.6	361	5,796.3	343.39
Nonpariel ..	S. J. Bennett, Kaipokonui	1 307	240.5	317	5,723.3	331.15
Middlewood's Mona ..	Kilgour and Gibson, KIWITEA	1 264	240.5	365	5,425.0	326.10