

Weekly Crop Bulletin.

PORTLAND, OREGON,

Tuesday, July 22, 1902. No rain has fallen, except a few showers early in the week in the Willamette valley and the coast counties. The week has averaged the warmest of the season, its first part was unseasonably cool, after which the temperature rose quite rapidly. The maximum, or day temperatures in western Oregon ranged between 69 and 96 degrees, and the minimum, or night temperatures between 46 and 65 degrees. In eastern Oregon the maximum temperatures ranged between 70 and 100 degrees and the minimum temperatures between 44 and 64 degrees.

One of the severest windstorms ever known at this season of the year swept across the entire state on the afternoon and night of the 14th. Ripe grain, fruit, hops, and cut hay were badly damaged by the wind in many sections. Barley, being farther along, suffered the most, and the yields will be considerably lessened from this cause. The damage to wheat was not so great, owing to the fact that much of it was too green to be badly shattered, although the green wheat was knocked down, the heads whipped off and the straw broken in numerous exposed places in different parts of the state.

Fruit also suffered quite extensively; many apples were blown off the trees and even the trees themselves were in some cases blown down. The damage to fruit was greatest in the Willamette valley and the coast counties. The laterals to the hop vines were torn away and in the more exposed yards the poles were blown down. In the case of cut hay; the stacks were blown down and the loose hay was scattered over the fields. Most of it was later recovered in fairly good condition and the damage to the hay crop by the windstorm did not amount to much.

The hot weather during the last few days of the week dried up pastures, and feed on the foothills is fast becoming poor. Stock, however, continue in good condition and the flow of milk in the dairy districts has not shrunk more than usual at this season of the year. Haying is nearly finished, and some have begun cutting their second crop of alfalfa. The hay crop is an average one and it has generally been secured in a good condition.

The fall grain harvest has begun, and the cutting of grain will become general all over the state by the first of next week. Corn, potatoes, hops and gardens are growing nicely and the warm weather was just what these crops needed for rapid advancement.

Pendleton, Umatilla county, A. Ruppe.—A heavy windstorm prevailed generally over the county the evening of the 14th, which did considerable damage to early winter wheat and barley; some farmers claim a loss of from one-quarter to one-half a crop from either shattered grain or on account of the heads being broken off or stalks blown down. The greatest amount of damage done by shattering was to early "Cox" and "Sonora" wheat; no damage has been done to reseeded wheat; except that the very cool winds of the 14th, 15th and 16th will have the effect of lessening the quality and consequently to some extent the yield. Harvest has been in progress west and south of Pendleton during the past week and the yields of both wheat and barley are fair. East and north of Pendleton a few fields of early "Cox" wheat and some barley have been cut and stacked. In the latter sections harvest will not be general until August.

Grass Valley, Sherman county, H. W. Wilcox.—Warm all the week; Friday and Saturday very warm, Saturday the warmest day of the season, with the wind from the east, the hot winds will do some damage to spring grain.

Adams, Umatilla county, C. S. Ferguson.—Monday the 14th we had one of the worst wind storms known in this vicinity; it damaged grain heavily; one field of barley estimated to go 70 bushels per acre is going 8 to 10 bushels per acre. Spring wheat badly hurt. Estimate of damage now is from one-tenth to one-fifth of crop.

Weston, Umatilla county, Jas. Kirkpatrick.—Grain ripening fast; weather warm; thrashing barley will commence next week; wind storm on the 14th; no damage done in this vicinity or east and south; grain too green north and west; damage variously estimated from one bushel per acre to one fourth of crop and in some cases more.

Island City, Union county, J. M. McCall.—The wind early in the week was the hardest ever known in this valley; but little damage reported; haying in active progress; crop fair; some binding has been done; harvest will be general next week; crop of grain never better in this county; sugar beets extra good; cherry crop lighter than expected; the apple crop promises to be good, but not heavy; pear crop light; ideal weather for haying.

Difficulties of Topographic Mapping.

The United States Geological Survey is engaged in the topographic mapping of the country. In many regions this is not a difficult undertaking, but in the mountainous section of the East and West and in the arid deserts of Arizona and neighboring States obstacles which seem almost insurmountable must be overcome in the prosecution of this work. Recent Reports of the progress of the survey in the rugged country of northern Montana serve to strongly emphasize the difficulties which the topographers encounter. In this portion of the country only two months of good weather can be depended upon during the summer season, and the storms which precede and follow this period are so severe that it is practically impossible to conduct work with the necessary accuracy and economy.

Topographic work in the mountainous region near Browning, in northern Montana, has recently been completed, and interesting details in connection with it are available.

The method employed is the one known to topographers as the photographic method. A special designed combination of camera and theodolite, very rigid in strong winds, was used, and panoramic views were taken from well-selected, prominent points. From the negatives thus secured, which were developed in Washington, enlarged transparencies were made, from which it was possible to locate, in position and elevation, a large number of prominent and secondary points, with the help of the primary triangulation already extended in the region; and by the aid of these photographs the contour lines, or lines of equal elevation, were sketched in. Such was the severity of the weather when some of our views were taken that it was found necessary to make the ascent of White Cliff Mountain no fewer than eight times—the last 1300 feet on foot—and nearly the entire day was spent on the summit at each ascent, in driving snow, before favorable conditions could be found. Six negatives were at last secured in the interval of a storm so severe that it was impossible to face the wind longer

than the few moments necessary to complete the details of the exposure. Ordinary methods, used with success under favorable circumstances, would have failed completely in this region, but the camera grasped in a few well-selected seconds all that could have been obtained in several hours by other methods.

The task of mapping the United States has been in progress for about twenty years, but so vast is the extent of the country that the larger portion of it still remains unsurveyed.

The Best Liniment for Strains.

Mr. F. H. Wells the merchant at Deer Park, Long Island, N. Y., says: "I always recommend Chamberlain's Pain Balm as the best liniment for strains. I used it last winter for a severe lameness in the side resulting from a strain, and was greatly pleased with the quick relief and cure it effected." For sale by all druggists.

Cut this out and take it to any druggist and get a free sample of Chamberlain's Stomach and Liver Tablets, the best physic. They cleanse and invigorate the stomach, improve the appetite and regulate the bowels. Regular size, 25 cts. per box. All druggists.

New Topographic Map.

One of the new maps issued by the United States Geological Survey is an interesting sheet covering Mount Stuart and the surrounding country in central Washington. The map is particularly useful as a guide to the region, as not only are all the roads and trails shown but also the important topographic features, such as the height, the steepness of the slopes, and the elevations of the mountains. It also shows the location and extent of the glaciers on the north side of Mount Stewart, and the larger ice field and glaciers a mile or more to the eastward. Both to the traveler and to the student of physiography the map is of value, and it may be purchased for five cents on application to the Director of the United States Geological Survey.

Only A Dream.

At Pocatello the young ladies of the P. O. C. club decided that it was not good for woman to be alone any more than for man to be alone, so acting upon this decision they, by the ghastly light of red fire and burning tapers and grinning skulls, last evening initiated into their club twenty gentlemen members. The gallant knights on bended knees vowed, promised and declared that they would not treat any lady outside of the P. O. C. club to ice cream, ice cream soda and bon bons, and still on bended knees faithfully swore that they would not make love or propose marriage until they had tried and been rejected by each member of said club, and one young lady declares they really promised not to lift their hats to any other of the fair sex.—Caldwell News.

The Independent Farmer.

A farmer doesn't have to solicit patronage from any one. He does not have to enter into competition and strife with any of his neighbors like a merchant. He doesn't have to depend on his collections reluctantly doled out as the editors do. In fact he can be the most independent man on God's green earth, if he manages his business in a business-like way. He has more time and opportunity for cultivating his mind. He has fewer allurements for corrupting his morals and his occupation is more conducive to the highest development of his physical power than any other.—Ex.

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