

thoroughly sprayed as usual. There was practically no scab, and the codling moth also was not very troublesome.

Of all the varieties of apples grown in the orchard this year the McIntosh Red was the finest to look at. This variety has not proved a shy bearer at the Experimental

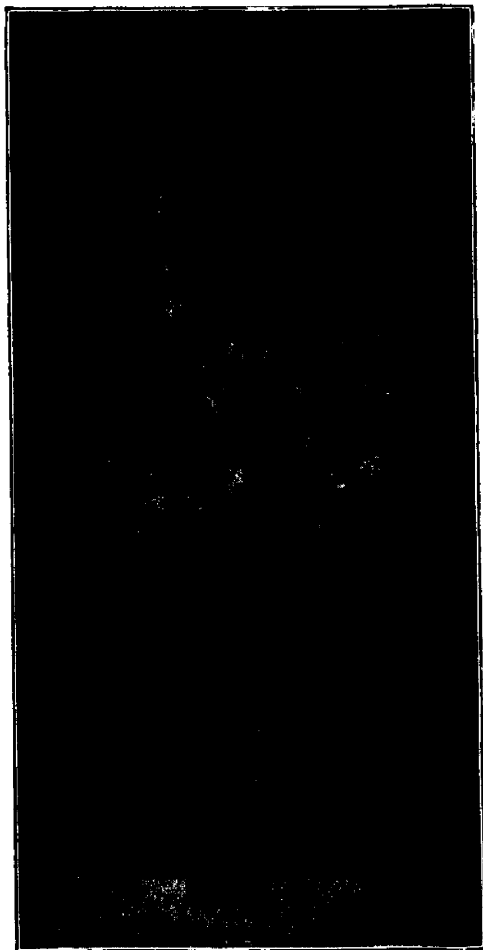


FIG. 1935. IRIS, JAGUESIANA (PURPLE).  
Grown at C. E. F., Ottawa, Jan. 18th.

Farm. Our trees bear annually, and, although never heavily loaded, produce good crops of fruit of fine size, appearance and quality. After another year's experience the hardy varieties we should recommend are :

Summer—Yellow Transparent, Duchess.  
Autumn—Wealthy.

Early Winter—McIntosh Red, and Fam-euse in some localities.

Late Winter—Scott's Winter, Gano, Pewaukee, Salome. Milwaukee is a promising new winter apple, being an early and heavy bearer, and of fine appearance. We still require a hardy late-keeping dessert apple of good size and color. It will come in time.

Grapes did not do as well as usual this year. The showery weather caused the vines to make too much growth and also prevented the fruit from ripening well. Furthermore, the fruit did not set well at the outset. However, all the earlier varieties have ripened, and if severe frosts do not come soon many others will ripen also.

There is a very heavy crop of potatoes this year, free from both scab and rot. Among the best yielding varieties are Empire State, American Wonder, Rochester, Rose, and Carman No. 3. The yields per acre, however, of the different sorts have not yet been determined.

It is our intention to spray a considerable number of apple trees this autumn which are affected with the oyster shell bark louse. From experiments conducted here last winter, our conclusions are that two sprayings of lime and water, in the proportion of 2 lbs. of lime to one gallon of water, in the autumn, will remove nearly all the scales which are on the trees. It would appear that the lime loosens the scales, and during the winter they are either washed off by rain or broken off by ice becoming attached to them, the eggs which are underneath them being carried off also and so destroyed before hatching time, which is about the end of May. The lime spray is made by slaking the lime in water (only good lime should be used), stirring the mixture thoroughly and straining it before use. The tree should be thoroughly sprayed from