



THE EFFECT OF A FREEZE ON PAPAYA FRUITS.

The Florida freeze of February 3, 1917, occurred early in the morning, the temperature dropping to $+26.5^{\circ}$ F. just before sunrise. Almost immediately the green papaya fruits became studded with drops of coagulated papain which issued by the thousand from breaks in the thin skin. The photograph here reproduced was taken at about 10 o'clock on the morning of the freeze. Few plants would appear to be more ideal for use than this papaya (*Carica papaya*) in the studies which are urgently needed into the physiology of death by freezing. (Photographed by David Fairchild at Miami, Fla., February 3, 1917; P20390FS.)