

which will render them not so readily prostrated by high winds; an accident against which every precaution should be taken, although even should it occur, the crop, whether of Sorghoe or Imphee, is by no means necessarily ruined. Such are the chief points of difference of the two plants, and on all these accounts, provided the African variety can be acclimated in this country, it will probably be preferable to the other.

#### COST OF PRODUCTION.

It will obviously be impossible to give anything approaching to an exact estimate of the cost of producing any of the articles which these plants are capable of yielding; even if the fact of their successful cultivation in this country were fully established, instead of being only as yet highly probable, the diversity in the value of land and in the cost of different methods of operating will modify the ultimate cost greatly. I shall, however, from such data as I have been able to ascertain, attempt an approximation, premising that as I have selected the most moderate and reliable statements as to the yield of the crops, I shall now set down the value of the land and apparatus, and the labor in working, at a figure which, if an error, will be on the safe side.

##### FOR SUGAR.

Value of an acre of land, say \$60	} \$160, Ten per cent. rent....	\$16.00
Say for sugar mill. .... \$100		
Seed, eight lbs. at 25 cents, .....		2.00
Cultivation and harvesting .....		10.00
Labor at mill and boiling, &c. ....		20.00
Interest on cost of utensils; bone black filter, &c. ....		8.00

Cost to convert produce of an acre into sugar.....\$56.00

This sum divided by 1200 lbs.—say the yield of sugar per acre—gives about 4 $\frac{2}{3}$  cents as the cost of a pound of sugar—the selling price at present being about double. In this estimate no account is taken of the value of molasses, of which there will be 80 gallons; and this, at the present selling price, 38 cents, should be worth over \$30.

##### SYRUP.

Cost of producing, including rent of land, use of mill and utensils, &c.—say .....	\$50.00
Produce of syrup per acre—say 300 gallons; therefore cost of producing one gallon, 16 cents—the present price being 50 cents.	

##### ALCOHOL.

Cost of producing syrup .....	\$40.00
Add cost of fermenting and distilling (ample allowance) .....	20.00
Cost to convert produce of an acre into alcohol .....	\$60.00

This sum divided by 214—the number of gallons of proof spirits readily obtainable from an acre of sorgho—gives 28 cents as the cost of a gallon, the market price being at present about 40 cents.