

	PAGE
Smut fungi—	
artificial cultures of.....	48
collection of material for class purposes.....	48
directions for germination of spores of	48
key for identification of	53
nature and action of, on host plant	5
nutrient solution for germinating	48
permanent preparations of	49
Smut machines for grain treatment	21
Smut spores, appearance of	5
dispersal of	5
hibernating in soil	11
resistance to frost	13
size of, <i>S</i> (Pl. 9).....	7
vitality of, natural	7
after passing through body of animals.....	7
Solutions, chemical, for smut treatment—	
bluestone	19
formalin	19
no loss of strength	20
Special, Part II.....	15
<i>Sphacelotheca Sorghi</i>	41
Stinking Smut of wheat	15
Sulphate of copper. <i>See</i> Bluestone.	
Summary	43
Susceptibility of varieties	11
Threshing machine, cleaning of from smut spores.....	7
important agent for spreading smut diseases.....	6
<i>Tilletia foetens</i>	15, 53
" <i>Tritici</i>	15, 53
Treatment—	
method of, for large quantities of grain.....	20
<i>See under various host plants.</i>	
<i>Ustilago Avenae</i>	31, 51
" <i>Crameri</i>	43, 51
" <i>Hordei</i>	51
" <i>leris</i>	31, 50
" <i>nuda</i>	51
" <i>Tritici</i>	15, 51
" <i>Zizae</i>	57, 52
Varietal susceptibility for smut	11
Weather, influence of on severity of smut	11, 36
Wheat, flower of	24
germination of grain of	12
pollen grains of	21, 26
smut diseases of (Pl. 1 & 2).....	15
loose smut of, appearance in field.....	22
biological features of	22
bluestone and formalin useless in	26
co-operative work, Danish	27
flower infection in	24
fungus living in grain	26
germination of spores of	24
hot water treatment	26, 28
life history of	22
life of spores of, brief	24
loss of vitality of grain through treatment.....	27
raising of clean seeds supply	27
removing affected plants	28
ripening of spores of	22
significance of spore ripening	24
stinking smut of, appearance in field.....	15
bluestone treatment for	19
confined to wheat	18
formalin treatment for	19
germination of spores of	17
longevity of spores of	17
spores of	15
treatment of	18
washing in water to prevent	19