EXPERIMENTS IN "PICKLING" SEED WHEAT.

Of 100 grains of wheat sown 21st August, 1880, there had germinated on the dates given the numbers following, viz.:—

—	—	—	August		September											—
			30th.	31st.	1st.	2nd.	3rd.	5th.	7th.	9th.	11th.	14th.	17th.	20th.	27th.	
A. "Purple Straw" ...	...	Not pickled	29	84	85	87	96	97	98	98	98	98	98	99	99	Seeds germinated.
	Pickled with pure sulphate of copper	2 oz. to the sack	13	40	61	83	85	88	93	93	93	93	93	94	95	"
		4 " "	4	19	35	53	57	64	81	83	85	88	90	92	93	"
		8 " "	2	4	7	8	8	13	27	40	48	50	56	59	59	"
		12 " "	2	4	8	10	10	14	19	26	31	39	45	51	53	"
		16 " "	...	3	5	8	8	11	19	31	36	40	46	49	49	"
B. "Hunter's White" Wheat	Pickled with pure sulphate of copper	8 oz. to the sack	46	64	70	77	79	83	89	89	89	89	90	91	93	Seeds germinated.
		12 " "	49	60	65	74	76	79	87	88	88	88	89	92	93	"
C. "Purple Straw" ...	...	Not pickled	86	86	87	88	90	92	95	95	95	95	95	96	96	Seeds germinated.
	Pickled with pure sulphate of copper	2 oz. to the sack	48	62	69	80	82	84	88	89	89	89	89	89	89	"
		4 " "	17	34	41	48	53	60	74	75	78	80	81	82	82	"
		8 " "	14	26	31	37	40	47	59	60	66	72	73	73	75	"
		12 " "	13	17	20	26	28	32	41	44	47	48	50	52	55	"
		16 " "	2	7	10	15	18	19	26	29	34	40	45	49	51	"

The germinating power of the same wheats was hardly affected by solutions of sulphate of iron containing 7 per cent. sulphate of copper of the same strength as above.