

*THIRTEENTH SQUARE,—IN THREE EXPERIMENTS.*

Sown the 7th Oct. two days before the new Moon, the wind at South. The seed of the four first rows was very good, taken from the Granary; it was mixed with some smutty Powder, and then sown without washing or liming.

There were at least two thirds of this grain smutty, and There were many Ears full of a black powder.

The four next Rows were also of good grain, mixed as that of the preceding rows; before it was sown it was limed in the usual manner, but not washed.

There was found at least a tenth of the grain to be smutty and Eight Ears of a smutty Powder.

The seed of the last four rows was sound, but it was mixed with the powder of smutty grain, and before it was sown was steeped in some common water, wherein some lime had been slaked.

There was not one smutty Ear in them.

There were six of a smutty powder.

*The FOURTEENTH SQUARE,—IN THREE EXPERIMENTS.*

Sown the 7th Oct. two days before the new moon, the wind South.

The seed was the same as that of the thirteenth square.

The four first rows were of sound grain, but it was mixed with smutty wheat, and sown without being washed or limed.

There were at least two thirds of the Ears smutty, and many full of a black powder.

The four rows following were sown in the same manner as the four rows of the second experiment in the 13th square :

There was at least a tenth of the Ears that produced smutty grain, and many were full of a black powder.

The four last rows were mixed in the same manner as the four last rows of the thirteenth square; before the grain was sown it was washed, and then steeped in common water in which last some lime had been slaked.

There was not one smutty Ear found, there were some Ears full of a black powder.

*FIFTEENTH SQUARE,—IN FOUR EXPERIMENTS.*

Sown the 17th October, the moon entering her second quarter, the wind north.

The seed was the same as that of the first square.

The Grain of the three first rows, was mixed with smutty powder, and sown without being either washed or limed.

There were about two thirds of the Ears smutty, and many full of black powder.

The three following rows were of grain mixed with smutty wheat, and before its sowing was only limed in the usual way.