

Supplementary Materials – Table S1

Equation 17 is obtained as follows:

Step no.	Equation
1	$V_{film} = \frac{m_{coating}}{\rho_{film}}$
2	$V_{film} = \delta_{film} \times A_{seeds}$
3	$V_{film} = \delta_{film} \times A_{seeds} / N_{seeds}$
4	$\frac{V_{film}}{N_{seeds}} = \delta_{film} \times \frac{A_{seeds}}{N_{seeds}}$
5	$\frac{V_{film}}{N_{seeds}} = \delta_{film} \times \frac{A_{seeds}}{m_{seeds}} \times m_{seed,mean}$
6	$\frac{V_{film}}{N_{seeds}} = \delta_{film} \times \frac{A_{seeds}}{m_{seeds}} \times m_{seed,mean}$
7	$V_{film} = \delta_{film} \times \frac{A_{seeds}}{\rho_{seeds} \times V_{seeds}} \times m_{seed,mean} \times N_{seeds}$
8	$\frac{m_{coating}}{\rho_{film}} = \delta_{film} \times \frac{A_{seeds}}{\rho_{seeds} \times V_{seeds}} \times m_{seeds}$
9	$m_{coating} = \delta_{film} \times \frac{\rho_{film}}{\rho_{seeds}} \times \frac{A_{seeds}}{V_{seeds}} \times m_{seeds}$
10	$\delta_{film} = f(m_{coating}) = \frac{\rho_{seeds}}{\rho_{film}} \times \frac{V_{seeds}}{A_{seeds}} \times \frac{1}{m_{seeds}} \times \eta \times m_{coating}$