



Using Excel for Random Number Generation

1. In Excel, go to Tools, Data Analysis, and select Random Number Generation.

If not available as an option, install this option by going to Tools, Add-ins, and select Analysis ToolPak, OK. Then go to step 1 again.

2. Once Select Random Number Generation is selected, hit OK:
 - A. For randomly selecting 25 blocks from a greenhouse with 3000 blocks (1 stratum):
 - i. Under Number of Variables, select 1,
 - ii. Under Number of Random Numbers select 25,
 - iii. Under Distribution select Uniform,
 - iv. Under Parameters select Between 1 and 3000 (1 stratum).
 - v. Leave Random seed blank.
 - vi. Select output range and enter the cell in A1 by clicking on cell A1.
 - vii. Press Enter.
 - viii. A random series of 25 numbers is provided.
 - B. To eliminate the decimal places:
 - i. Select the column,
 - ii. Go to Format
 - iii. Select "cells",
 - iv. Click on Number tab,
 - v. Select Number,
 - vi. Under decimal places enter 0.
 - vii. Hit OK.
 - viii. A random generation of 25 numbers (blocks) is provided.
 - C. To randomly select a row per block:
 - i. Go to Tools, Data Analysis, select Random Number Generation
 - ii. Hit OK.
 - iii. Under Number of Variables select 1
 - iv. Under Number of Random Numbers, select 25
 - v. Under Distribution select Uniform

- vi. Under Parameters enter Between 1 and 20
- vii. Under Output Range select row B1
- viii. Follow section 2B to eliminate decimal places
- ix. A random row is provided for each random block selected.

