

# TREPA

Transforming Eastern Province through Adaptation



Rwanda Forestry Authority



GREEN  
CLIMATE  
FUND



## Output 3.3: Enhancing tree seed and seedling supply to provide diverse and climate adapted species and varieties within the framework of TREPA 2022-2027

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Breeding Seed Orchard (BSO) Establishment report,  
*Maesopsis eminii* – Nyagatare

Albin Lobo, Marie Claire Twiragijimana, Yves Shema

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## BSO Design

Seeds collected in: June 2023

Seeds sowed in: July 2023

Trial Planted in: November 2023

Location: Latitude 1°17'17.2"S; Longitude 30°33'24.6"E

Parallel trial: *Maesopsis eminii* BSO in Kirehe

<b>BSO Design</b>	<b>Complete randomized block design</b>
<b>No of provenances</b>	4
<b>No of families</b>	49
<b>No of Blocks</b>	20
<b>No of rows in each block</b>	7
<b>No of columns in each block</b>	7
<b>No of plants within each block</b>	49
<b>Spacing</b>	3 metre x 3 metre
<b>Total number of plants</b>	980
<b>Total area of BSO in square metres</b>	8820
<b>Total area of BSO in Hectares</b>	0.882

## Location map and positions of Blocks



## Provenances and Families

<b>Provenance</b>	<b>Mother Trees</b>	<b>Family</b>	<b>Label</b>
Rutsiro	1	1	Family - 01
Rutsiro	2	2	Family - 02
Rutsiro	3	3	Family - 03
Rutsiro	4	4	Family - 04
Rutsiro	5	5	Family - 05
Rutsiro	6	6	Family - 06
Rutsiro	7	7	Family - 07
Rutsiro	8	8	Family - 08
Nyamasheke	1	9	Family - 09
Nyamasheke	2	10	Family - 10
Nyamasheke	3	11	Family - 11
Nyamasheke	4	12	Family - 12
Nyamasheke	5	13	Family - 13
Nyamasheke	6	14	Family - 14
Rusizi	1	15	Family - 15
Rusizi	2	16	Family - 16
Rusizi	3	17	Family - 17
Rusizi	4	18	Family - 18
Rusizi	5	19	Family - 19
Rusizi	6	20	Family - 20
Rusizi	7	21	Family - 21
Rusizi	8	22	Family - 22
Rusizi	9	23	Family - 23
Rusizi	10	24	Family - 24
Rusizi	11	25	Family - 25
Rusizi	12	26	Family - 26
Rusizi	13	27	Family - 27
Rusizi	14	28	Family - 28
Rusizi	15	29	Family - 29
Rusizi	16	30	Family - 30
Karongi	1	31	Family - 31
Karongi	2	32	Family - 32
Karongi	3	33	Family - 33
Karongi	4	34	Family - 34
Karongi	5	35	Family - 35
Karongi	6	36	Family - 36
Karongi	7	37	Family - 37
Karongi	8	38	Family - 38
Karongi	9	39	Family - 39
Karongi	10	40	Family - 40
Karongi	11	41	Family - 41
Karongi	12	42	Family - 42
Karongi	13	43	Family - 43
Karongi	14	44	Family - 44

Karongi	15	45	Family - 45
Karongi	16	46	Family - 46
Karongi	17	47	Family - 47
Karongi	18	48	Family - 48
Karongi	19	49	Family - 49

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