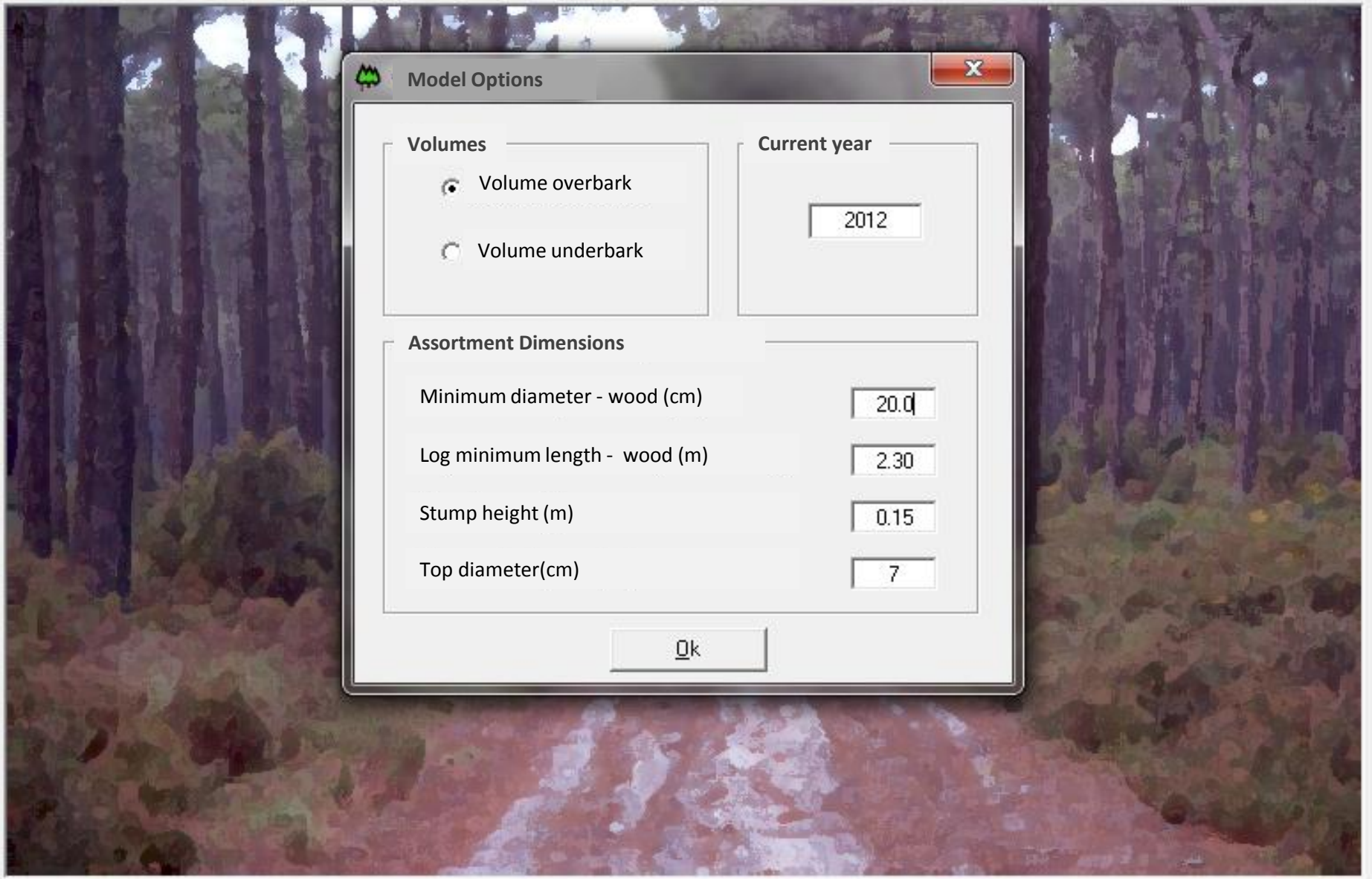




Simulation toolbar: file icon, play button, help icon, close button



Model Options

Volumes

☒ Volume overbark

☐ Volume underbark

Current year

2012

Assortment Dimensions

Minimum diameter - wood (cm)

20.0

Log minimum length - wood (m)

2.30

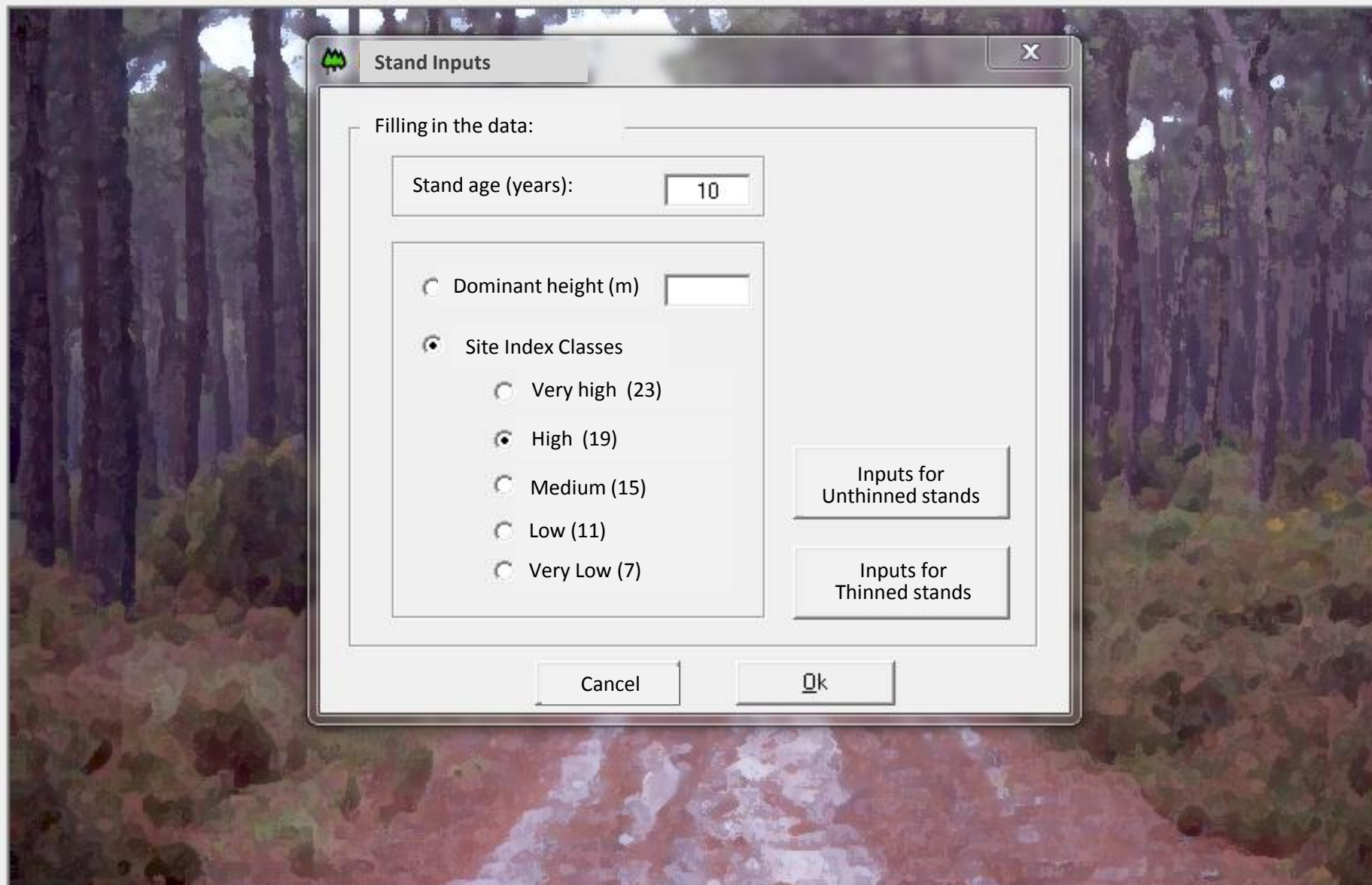
Stump height (m)

0.15

Top diameter(cm)

7

Ok



Stand Inputs

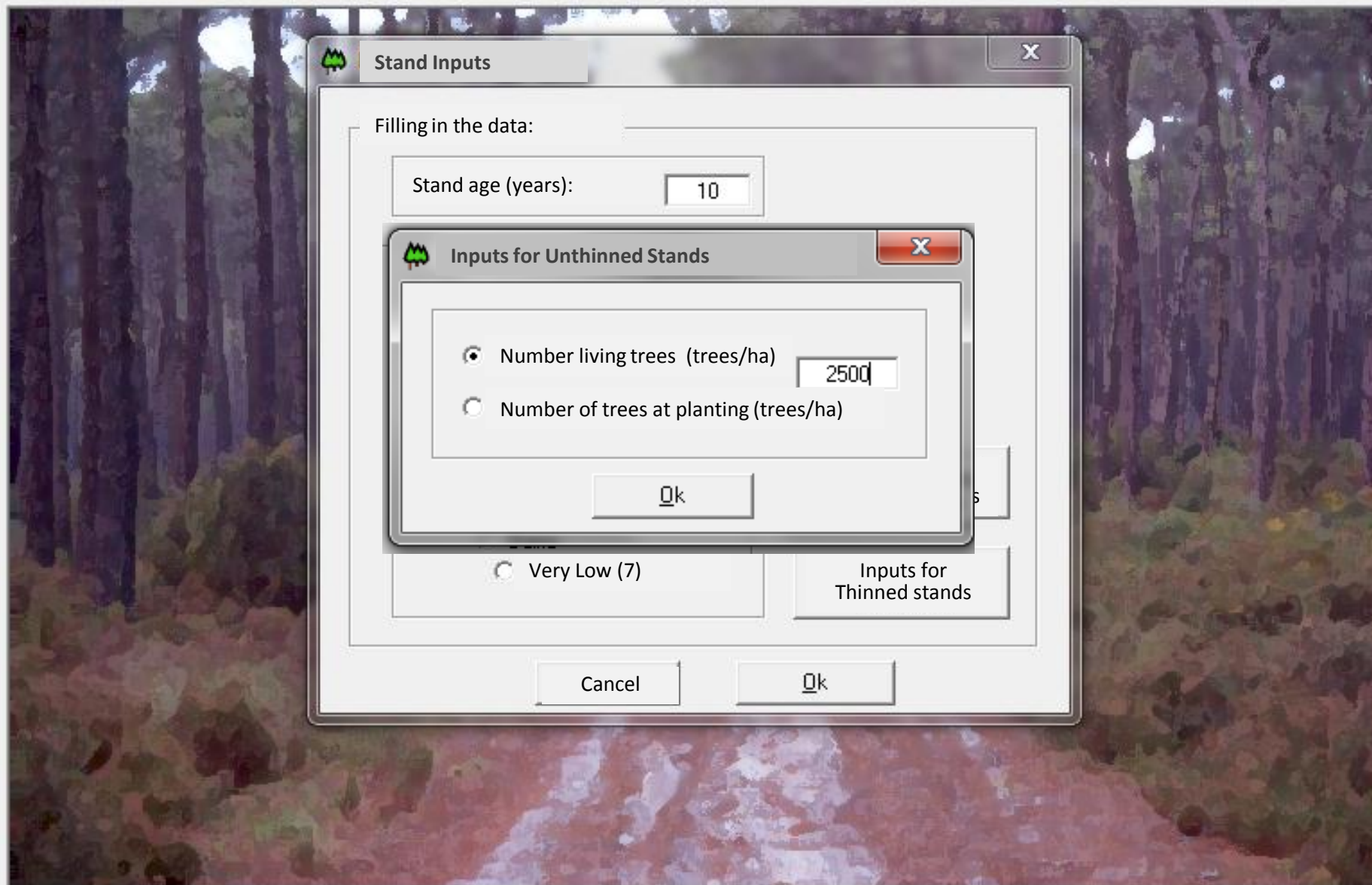
Filling in the data:

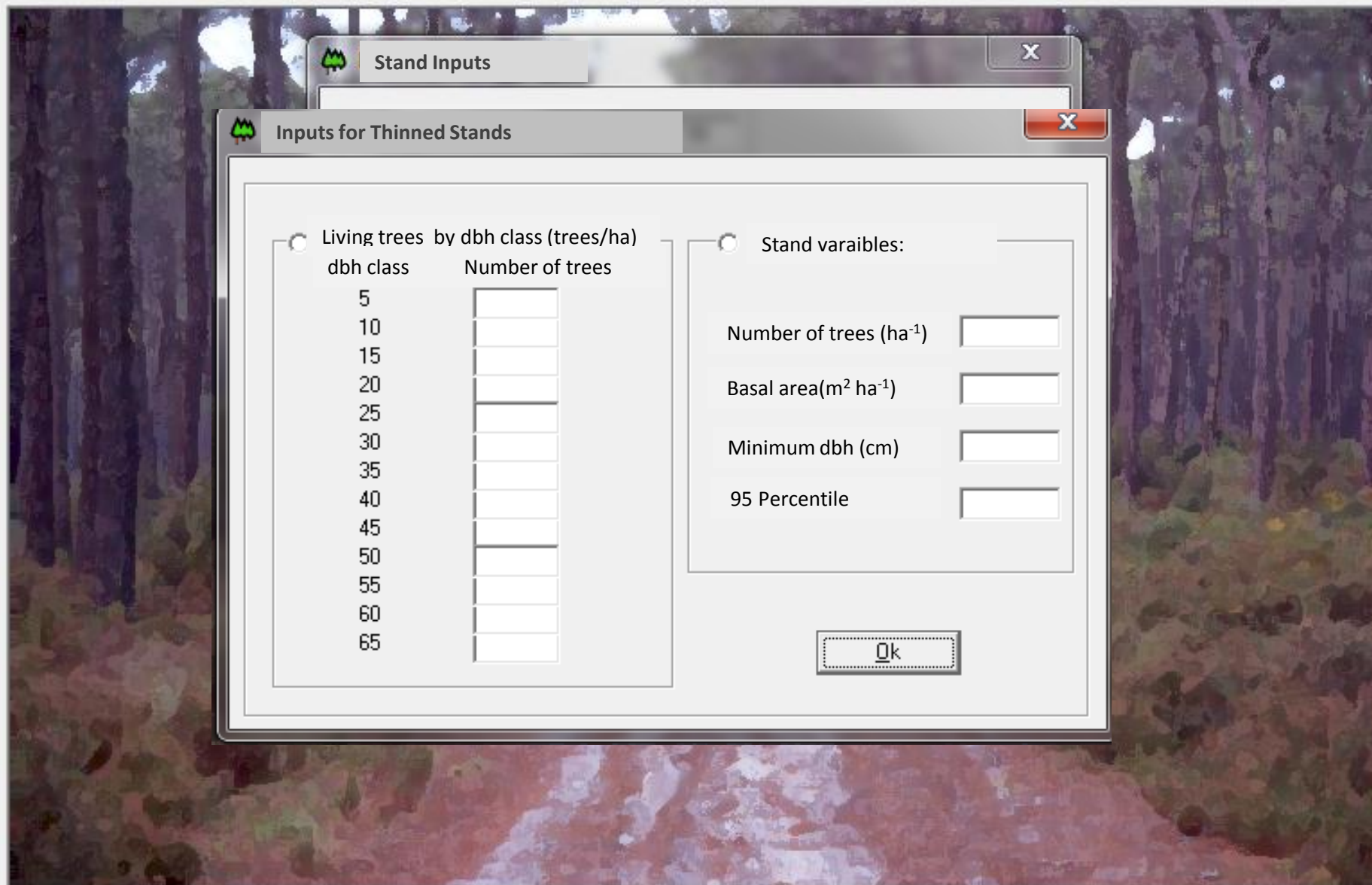
Stand age (years):

☐ Dominant height (m)

☒ Site Index Classes

- ☐ Very high (23)
- ☒ High (19)
- ☐ Medium (15)
- ☐ Low (11)
- ☐ Very Low (7)





Stand Inputs



Inputs for Thinned Stands

☐ Living trees by dbh class (trees/ha)

dbh class Number of trees

5

10

15

20

25

30

35

40

45

50

55

60

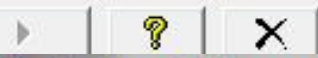
65

☐ Stand variables:Number of trees (ha⁻¹)Basal area(m² ha⁻¹)

Minimum dbh (cm)

95 Percentile

Ok



Inputs for Thinned Stands

X

Stand characteristics for a previously thinned stand

Stand age (years)

70

Site Index

20

Year

2004

Dominant height (m)

23.2

Average diameter (cm)

45.5

Weibull Parameters:

A =

2.25

B =

46.01

C =

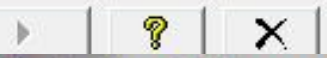
3.68

Volume overback without stump:

Dbh Class	N (cm)	G (m ² ha ⁻¹)	H (m)	V _{total} (m ³ ha ⁻¹)	V _{roundwood} (m ³ ha ⁻¹)	V _{sawnwood} (m ³ ha ⁻¹)	V _{firewood} (m ³ ha ⁻¹)
10	1	0.0	8.7	0.02	0.02	0.00	0.00
15	2	0.0	13.0	0.25	0.24	0.00	0.02
20	6	0.2	15.8	1.20	0.81	0.36	0.04
25	11	0.5	17.8	3.75	1.37	2.32	0.06
30	17	1.2	19.3	8.91	1.97	6.86	0.09
35	23	2.2	20.5	17.18	2.46	14.61	0.11
40	27	3.4	21.4	27.70	2.72	24.86	0.12
45	29	4.6	22.1	37.76	2.65	35.00	0.12
50	26	5.2	22.7	43.52	2.25	41.17	0.10

Project a thinning

Project without thinning



Inputs for Thinned Stands



Stand characteristics for a previously thinned stand

Stand age (years) Site Index Year
Dominant height (m) Average diameter (cm)

Weibull Parameters: A = B = C =

Volume overback without stump:

Dbh Class	N (cm)	G (m ² ha ⁻¹)	H (m)	V _{total} (m ³ ha ⁻¹)	V _{roundwood} (m ³ ha ⁻¹)	V _{sawnwood} (m ³ ha ⁻¹)	V _{firewood} (m ³ ha ⁻¹)
10	1	0.0	8.7	0.02	0.02	0.00	0.00
15	2	0.0	13.0	0.25	0.24	0.00	0.02
20	6	0.2	15.8	1.20	0.81	0.36	0.04
25	11	0.5	17.8	3.75	1.37	2.32	0.06
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45	29	4.6	22.1	37.76	2.65	35.00	0.12
50	26	5.2	22.7	43.52	2.25	41.17	0.10

Project
a
thinning

Project
without
thinning



End
Simulation



Inputs for Thinned Stands



Stand characteristics for a previously thinned stand

Stand age (years)

Site Index

Year

Dominant height (m)

Weibull Parameters: $A =$

Volume overback without stump:

Dbh Class	N (cm)	G (m ² ha ⁻¹)
10	1	0.0
15	2	0.0
20	6	0.2
25	11	0.5
30	17	1.2
35	23	2.2
40	27	3.4
45	29	4.6
50	26	5.2



Thinning



☐ Mechanical thinning

% of trees to remove

☒ Thinning from below

Residual Basal Area (m² ha⁻¹)

Ok

wood (m³ ha⁻¹)

0.00
0.02
0.04
0.06
0.09
0.11
0.12
0.12
0.10

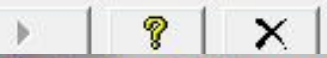


Project
a
thinning

Project
without
thinning



End
Simulation



Inputs for Thinned Stands



Stand characteristics for a previously thinned stand

Stand age (years) Site Index Year
Dominant height (m) Average diameter (cm)

Weibull Parameters: A = B = C =

Volume overback without stump:

Dbh Class	N (cm)	G (m ² ha ⁻¹)	H (m)	V _{total} (m ³ ha ⁻¹)	V _{roundwood} (m ³ ha ⁻¹)	V _{sawnwood} (m ³ ha ⁻¹)	V _{firewood} (m ³ ha ⁻¹)
10	1	0.0	8.7	0.02	0.02	0.00	0.00
15	2	0.0	13.0	0.25	0.24	0.00	0.02
20	6	0.2	15.8	1.20	0.81	0.36	0.04
25	11	0.5	17.8	3.75	1.37	2.32	0.06
30	17	1.2	19.3	8.91	1.97	6.86	0.09
35	23	2.2	20.5	17.18	2.46	14.61	0.11
40	27	3.4	21.4	27.70	2.72	24.86	0.12
45	29	4.6	22.1	37.76	2.65	35.00	0.12
50	26	5.2	22.7	43.52	2.25	41.17	0.10

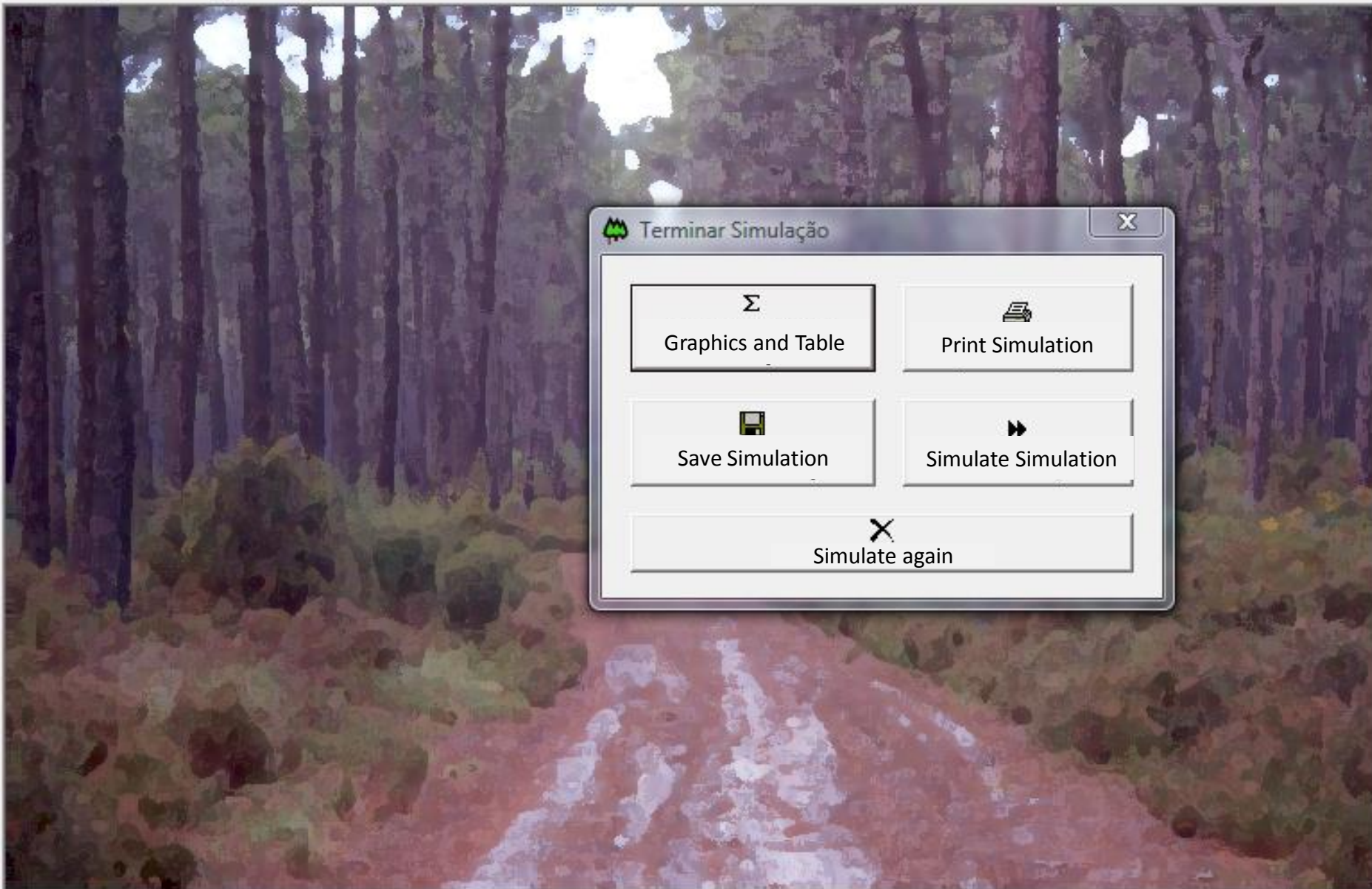
Do you
want to
thin again?

Project
without
thinning



End
Simulation

Opções do Modelo Simulação Ajuda Sair



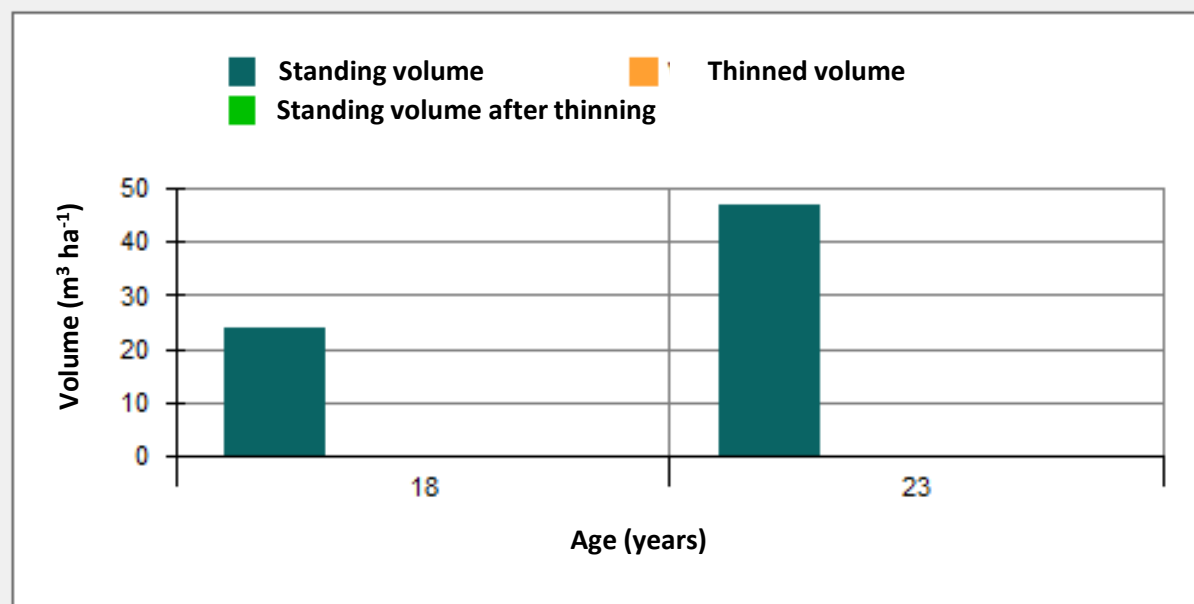
 Terminar Simulação X

Σ Graphics and Table	 Print Simulation
 Save Simulation	 Simulate Simulation
 Simulate again	



Volume overback without stump:

Ano	Idade	Cod	NArv/ha	ABasal(m2/ha)	Altura(m)	V.Total(m3/ha)	V.Rolaria(m3/ha)	V.Madeira(m3/ha)	V.Lenha(m3/ha)
2012	18	AD	878	8.3	4.7	23.61	20.87	0.20	2.54
2017	23	AD	878	13.8	6.3	46.92	37.14	6.91	2.87



Back