

Apéndices

Apéndice 2.1 Instrucciones de Operación de Poda

– Modo de Empleo del Hacha

Para podar los bosques artificiales se utilizan una sierra de cadena y un hacha. Es preferible utilizar el hacha para que las vibraciones no causen lesiones.

- a. Quitar los obstáculos con los que pueda tocar el hacha al cortar las ramas.
- b. Al levantar el hacha hacia arriba con la mano derecha, agarre el extremo del tronco con la mano izquierda y controle bien la dirección del hacha al golpear. Si Ud. es zurdo sujete con la mano derecha y controle bien el hacha pues si lo hace de manera inadecuada puede ser peligroso.
- c. Poda el árbol desde la parte superior, el lado contrario y la parte inferior del mismo. Luego, desplácese hasta el lado contrario del árbol para que no haya peligro de cortarse con el hacha.
- d. No está bien cortar ni siquiera una ramita de un solo golpe. Golpee ligeramente la parte superior de la ramita y luego córtela desde el lado opuesto.
- e. Utilice guantes desengrasados al utilizar hachas.

– Modo de Empleo de la Sierra de Cadena

La sierra de cadena que se utiliza generalmente no suele ser adecuada para cortar ramitas delgadas ni ramas. En la poda puede que el filo de la cuchilla aletee.

- a. Al podar, manténgase en el lado izquierdo del árbol mirando a la copa y opere la sierra de cadena no solamente con los brazos, ayúdese también con la rodilla, el movimiento de la cintura y el movimiento de la muñeca.
- b. Cuando corte una rama de su lado, soporte la sierra con el muslo y desplácela hacia abajo mientras dobla la rodilla. Al hacerlo no se caiga hacia adelante.
- c. Corte la rama lo más cerca posible de la mano.

Apéndice 2.2 Instrucciones de Operación de la Sierra de Cadena

– Inspección Previa al Uso

- a. Utilice una mezcla de gasolina y lubricante como combustible a la relación especificada para el tipo de sierra de cadena.
- b. Ajuste la tensión de la sierra de cadena adecuadamente.

Engrase la cadena hasta que la parte inferior del cortador y la unión lateral se

adhieran bien a la ranura inferior de la tapa de guía y que la cadena se pueda girar a mano fácilmente.

- c. Afílela bien.
- d. Asegúrese del estado del motor.
- e. Vea si el mecanismo de seguridad está normal.
- f. Asegure los accesorios necesarios para su funcionamiento. Además, inspeccione el estado de la sierra de acuerdo al manual.

- Inspección Después de Usar

Cuide y limpie la sierra todos los días de acuerdo al manual.

- Transporte

Cuando lleve la sierra de un lugar a otro durante la operación, pare el motor. Cuando tenga que moverla con el motor encendido, asegúrese de que el cierre de seguridad este echado.

- Afilar

Si se utiliza una sierra de cadena mal afilada, el esfuerzo del motor para cortar árboles será mucho mayor. Por dicha razón, la máquina se desgastará prematuramente y consumirá más combustible. Esto reducirá la vida de la máquina, incrementará los costos de reparación, disminuirá la eficiencia de trabajo y causará fatiga y lesiones por vibración. Para evitar dichos problemas, afile la sierra de cadena de modo adecuado en cuanto se embote.

Apéndice 2.3 Instrucciones de Arrastre con Tractor

Los métodos de carga y descarga de rollos en y desde el remolque conectado al tractor se dividen en manuales y mecanizados.

- Carga y Descarga Manual

Dependiendo del tipo de rollos y del volumen de arrastre planeado por día, la carga y descarga manual de rollos puede precisar de dos a cuatro personas por día. Deberán tomarse las precauciones siguientes durante la operación.

No cargue más de la capacidad máxima.

Que el remolque y el tractor queden en línea recta durante la carga.

Cuando se cargan y descargan rollos grandes para la construcción y postes eléctricos es necesario comunicarse bien con las otras personas para evitar accidentes.

Fije los rollos en dos puntos en la parte anterior y posterior de la caja con una soga para que no se suelten cuando el remolque no está equipado con bastidor lateral ni barras.

Después de cargar, quite los obstáculos y lleve los rollos cerca del punto de parada del tractor para que la carga siguiente pueda realizarse de manera eficiente.

- Carga y Descarga Mecanizada

En Uruguay suele utilizarse una grúa de grapo para cargar. A continuación se describirán las instrucciones de operación de dicha máquina.

Comprenda y siga las instrucciones de operación y manipulación del manual en el uso cotidiano de la máquina.

Asegúrese de que el nivel de aceite no está por debajo del nivel especificado y luego active el engranaje de toma de fuerza para hacer funcionar la bomba.

Mire el suelo y estabilice la máquina.

Si el suelo es frágil, levante la máquina sobre una tabla grande y gruesa.

Asegúrese de la posición del resto de los trabajadores cuando se opera una máquina.

Que el peso de los rollos sea un poco inferior al máximo especificado. No cambie la presión del aceite mediante la válvula de alivio sin permiso.

Comuníquese con el resto de los trabajadores y siga sus instrucciones durante la descarga.

Al mover la máquina, confirme el estado del camino y siga las direcciones del guía.

Las instrucciones de manejo del tractor en la operación de arrastre son las siguientes:

- Funcionamiento en cuestas empinadas

Cambie a marcha más baja antes de subir las cuestas; no cambie de marcha en la mitad. Si tiene que cambiar de marchas por alguna razón, opere el embrague principal y el freno con cuidado.

No marche horizontalmente o inclinadamente al subir cuestas empinadas.

- Arrastre

Quando se conectan máquinas de tracción como remolques o cuando se sueltan del tractor, coopere con los trabajadores para que la operación sea segura. Conduzca el tractor con cuidado considerando el juego y la holgura de la tracción debido al arranque, parada y cambios de velocidad.

Si el tractor tiende a ser guiado por la tracción del remolque, gire y dé marcha atrás con cuidado.

- **Marcha sobre terreno frágil**

Cuando no sabe si el suelo soportará el peso del camión, bájese y examine la resistencia del suelo saltando sobre él o mediante otros medios.

Cuando el suelo es frágil, marche recto a bajas velocidades y no gire bruscamente ni acelere ni pare de repente.

Si el tractor se enfanga, no intente conducir a la fuerza, sino que habrán que tomarse las medidas adecuadas para que las ruedas no resbalen o busque la ayuda de otro tractor.

- **Puentes y Similares**

Examine primero la resistencia de los puentes.

Pasen uno por uno a baja velocidad en puentes en los que no pueda confirmarse bien la resistencia y seguridad.

Lleve una linterna o bombilla de repuesto de faro cuando maneja durante la noche.

Apéndice 2.4 Instrucciones de Trazado de Caminos Forestales

- **Velocidad establecida**

La velocidad deberá seguir las normas de caminos siguientes:

| Clase | Velocidad (km/hora) |
|---------|---------------------|
| Primera | 40 ó 30 |
| Segunda | 30 ó 20 |

Nota: La velocidad establecida significa la velocidad de los vehículos como base de normas de estructura vial.

- **Ancho**

| Clase | Ancho vial (m) |
|---------|----------------|
| Primera | 4,0 |
| Segunda | 3,0 |

- Ampliación de las curvas

Las curvas de los caminos pavimentados deberán ampliarse según la tabla siguiente. Todas las curvas deberán ampliarse por norma.

Si es imposible cumplir las instrucciones de la tabla por algún motivo como condiciones topográficas, es permisible ajustarse a las mismas.

| Clase | Radio de Curva (m) | Amplitud (m) |
|---------|----------------------|--------------|
| Segunda | 12 m – menos de 13 m | 2,25 |
| | 13 m – menos de 14 m | 2,00 |
| | 14 m – menos de 15 m | 1,75 |
| | 15 m – menos de 18 m | 1,50 |
| | 18 m – menos de 20 m | 1,25 |
| Primera | 20 m – menos de 25 m | 1,00 |
| | 25 m – menos de 30 m | 0,75 |
| | 30 m – menos de 40 m | 0,50 |
| | 40 m – menos de 45 m | 0,25 |

- Banquinas

Deberán construirse banquetas. El ancho de la banqueta deberá exceder los valores enumerados en la parte izquierda de la columna de la derecha dependiendo de la clase de camino. En el caso de un puente de 50 m de largo o más, una carretera de alto nivel o alguna sección en la que sea imposible cumplir con la tabla debido a las condiciones topográficas u otras razones, se permitirá reducir el ancho hasta el valor enumerado en la parte izquierda.

| Clase | Ancho de arcén (m) | |
|---------|--------------------|------|
| Primera | 0,5 | |
| Segunda | 0,5 | 0,25 |

- Radio de curva

El radio de curva se define por la velocidad establecida del modo siguiente:

| Velocidad establecida (km/h) | Radio | | Observaciones |
|------------------------------|-------------------|------------------|---------------|
| | Sección Ordinaria | Sección Especial | |
| 0 | 60 o más | 40 o más | |
| 30 | 30 o más | 20 o más | |
| 20 | 15 o más | 12 o más | |

- **Inclinación**

La pendiente de un camino se define como sigue en las regulaciones para caminos forestales:

| Velocidad establecida (km/h) | Inclinación | |
|------------------------------|-------------------|-------------------------------------|
| | Sección Ordinaria | Sección Especial (dentro de 100 cm) |
| 40 | 7% o menos | 10% o menos |
| 30 | 8% o menos | 12% o menos |
| 20 | 9% o menos | 14% o menos |

Apéndice 3.1

Tabla: Condición de Crecimiento de los Árboles Plantados en Parcelas de Muestra

(Eucalyptus grandis)

| No. de parcela | Zona de suelo | Edad | Área Ha | No. de árboles medidos | No. de árboles plantados | Porcentaje de supervivencia % | D.A.P. Medio Cm | Altura Media m | Volumen | | IMA m ³ | Relación de Forma A/D.A.P. | Propiedad y Otros |
|----------------|---------------|------|---------|------------------------|--------------------------|-------------------------------|-----------------|----------------|-------------------------|--------------------|--------------------|----------------------------|---------------------|
| | | | | | | | | | m ³ /Parcela | m ³ /Ha | | | |
| 19 | 07 | 6 | 0,04 | 38 | 1.600 | 59,4 | 19,2 | 20,1 | 7,04 | 176 | 29,3 | 105 | Industria forestal |
| 1 | " | 8 | 0,042 | 50 | 1.600 | 71,4 | 17,1 | 18,6 | 7,23 | 172 | 21,5 | 109 | Dirección Forestal |
| B-27 | " | 13 | 0,0441 | 46 | 1.111 | 98,9 | 21,7 | 27,6 | 19,83 | 450 | 34,6 | 127 | Corporación Pública |
| 5 | " | 14 | 0,042 | 35 | 1.666 | 50,0 | 24,4 | 26,6 | 18,28 | 435 | 31,1 | 109 | Individual |
| 13 | 2 | 6 | 0,04 | 55 | 2.500 | 55,0 | 9,8 | 9,4 | 1,41 | 35 | 5,9 | 105 | Compañía |
| 6 | " | 12 | 0,04 | 44 | 2.000 | 55,0 | 17,0 | 20,8 | 9,20 | 230 | 19,0 | 122 | Compañía de Pulpa |
| 16 | 3,1 | 8 | 0,063 | 39 | 1.111 | 55,7 | 18,3 | 19,8 | 8,00 | 127 | 15,9 | 108 | Industria forestal |
| 20 | 5,02b | 9 | 0,042 | 37 | 1.666 | 52,9 | 18,2 | 20,5 | 7,60 | 181 | 20,2 | 113 | Compañía de Pulpa |
| B-6 | 7 | 10 | 0,042 | 36 | 1.333 | 64,3 | 22,6 | 24,8 | 13,79 | 328 | 32,8 | 110 | Compañía |
| B-16 | " | 10 | 0,0441 | 38 | 1.111 | 77,6 | 23,1 | 25,6 | 15,58 | 353 | 35,3 | 111 | Agrícola |
| 2C-4 | " | 10 | 0,0441 | 31 | 1.111 | 64,6 | 21,9 | 27,3 | 15,17 | 344 | 34,4 | 125 | |
| B-1 | " | 11 | 0,042 | 35 | 1.333 | 62,5 | 24,8 | 25,2 | 15,54 | 370 | 33,6 | 102 | Compañía |
| B-9 | " | 11 | 0,0432 | 44 | 1.111 | 91,7 | 19,1 | 25,0 | 12,00 | 278 | 25,3 | 131 | Agrícola |
| B-13 | " | 11 | 0,0441 | 38 | 1.111 | 77,6 | 20,7 | 24,2 | 11,54 | 262 | 23,8 | 117 | Agrícola |
| B-4 | " | 13 | 0,042 | 39 | 1.333 | 69,7 | 22,7 | 28,8 | 19,33 | 460 | 35,4 | 127 | Compañía |
| B-5 | " | 13 | 0,042 | 63 | 1.666 | 90,0 | 20,1 | 27,4 | 21,52 | 512 | 39,4 | 136 | Compañía |
| B-28 | 8 | 7 | 0,0441 | 28 | 1.111 | 57,1 | 22,5 | 24,1 | 8,72 | 197 | 28,1 | 107 | Corporación Pública |
| B-32 | " | 11 | 0,0441 | 33 | 1.111 | 67,4 | 21,9 | 23,8 | 11,30 | 256 | 23,3 | 109 | Corporación Pública |
| 2C-8 | " | 11 | 0,0441 | 41 | 1.111 | 85,4 | 17,8 | 17,9 | 7,77 | 176 | 16,0 | 101 | |
| B-25 | " | 12 | 0,0441 | 43 | 1.111 | 87,8 | 20,5 | 23,9 | 15,07 | 342 | 28,5 | 117 | Agrícola |

(Eucalyptus grandis) - No. 2

| No. de parcela | Zona de suelo | Edad | Área Ha | No. de árboles medidos | No. de árboles plantados | Porcentaje de supervivencia % | D.A.P. Medio Cm | Altura Media m | Volumen | | IMA m ³ | Relación de Forma A/D.A.P. | Propiedad y Otros |
|----------------|---------------|------|------------|------------------------|--------------------------|-------------------------------|--------------------|-------------------|-------------------------|--------------------|-----------------------|----------------------------|---------------------|
| | | | | | | | | | m ³ /Parcela | m ³ /Ha | | | |
| B-26 | 8 | 13 | 0,0441 | 39 | 1.111 | 79,6 | 22,7 | 25,0 | 15,33 | 348 | 26,7 | 110 | Agrícola |
| 2B-20 | 9 | 4 | 0,04 | 42 | 1.111 | 95,5 | 10,7 | 10,5 | 1,52 | 38 | 9,5 | 98 | Corporación Pública |
| B-19 | " | 8 | 0,0441 | 41 | 1.111 | 83,7 | 14,7 | 15,2 | 4,43 | 100 | 12,5 | 103 | Industria forestal |
| B-33 | " | 8 | 0,0441 | 41 | 1.111 | 83,7 | 21,0 | 23,1 | 11,56 | 262 | 32,8 | 110 | Banco |
| 31 | " | 10 | 0,0441 | 24 | 1.111 | 49,0 | 24,9 | 26,9 | 14,02 | 318 | 31,8 | 108 | Asociación |
| 37 | " | 10 | 0,04 | 52 | 2.000 | 65,0 | 14,6 | 16,2 | 7,77 | 194 | 19,4 | 111 | Asociación |
| 28 | " | 12 | 0,0441 | 34 | 1.111 | 69,4 | 20,4 | 23,4 | 10,52 | 239 | 19,9 | 115 | Asociación |
| B-18 | " | 13 | 0,0441 | 39 | 1.111 | 79,6 | 20,4 | 25,0 | 11,66 | 264 | 20,3 | 123 | Industria forestal |
| 38 | " | 14 | 0,04 | 51 | 1.600 | 79,7 | 18,6 | 25,6 | 13,92 | 348 | 24,9 | 138 | Asociación |
| B-35 | " | 14 | 0,0441 | 37 | 1.111 | 75,5 | 20,6 | 20,8 | 8,69 | 197 | 14,1 | 101 | Individual |
| 32 | " | 15 | 0,0441 | 19 | 1.111 | 38,8 | 21,5 | 24,7 | 8,35 | 189 | 12,6 | 115 | Asociación |
| 25 | 11,2 | 9 | 0,04 | 68 | 2.500 | 68,0 | 16,4 | 20,5 | 12,19 | 305 | 33,9 | 125 | Compañía de Pulpa |
| 27 | 11,5 | 7 | 0,04 | 49 | 2.500 | 49,0 | 13,0 | 13,0 | 2,72 | 68 | 9,7 | 100 | Compañía de Pulpa |

(Eucalyptus globulus)

| No. de parcela | Zona de suelo | Edad | Área Ha | No. de árboles medidos | No. de árboles plantados | Porcentaje de supervivencia % | D.A.P. Medio Cm | Altura Media m | Volumen | | IMA m ³ | Relación de Forma A/D.A.P. | Propiedad y Otros |
|----------------|---------------|------|---------|------------------------|--------------------------|-------------------------------|-----------------|----------------|-------------------------|--------------------|--------------------|----------------------------|---------------------|
| | | | | | | | | | m ³ /Parcela | m ³ /Ha | | | |
| 12 | 2 | 6 | 0,04 | 45 | 2.500 | 45,0 | 12,5 | 11,7 | 2,05 | 51 | 8,5 | 94 | Industria forestal |
| 11 | " | 7 | 0,04 | 50 | 2.500 | 50,0 | 14,0 | 16,5 | 4,10 | 103 | 14,6 | 118 | Dirección Forestal |
| 15 | " | 13 | 0,0441 | 35 | 1.111 | 71,4 | 13,1 | 18,6 | 4,36 | 99 | 7,6 | 142 | Corporación Pública |
| 2B-6 | 2 | 10 | 0,04 | 36 | 1.333 | 67,9 | 16,8 | 18,4 | 6,49 | 155 | 15,5 | 110 | Compañía |
| 22 | 5,02b | 12 | 0,042 | 25 | 1.666 | 35,7 | 19,5 | 20,4 | 5,20 | 124 | 10,3 | 105 | Individual |
| 23 | " | 13 | 0,04 | 45 | 1.666 | 64,3 | 18,9 | 22,5 | 9,31 | 222 | 17,1 | 119 | Compañía |
| 2B-5 | 9 | 4 | 0,042 | 43 | 1.333 | 78,2 | 15,2 | 16,2 | 4,97 | 118 | 29,6 | 107 | Compañía |
| 2B-4 | " | 5 | 0,04 | 55 | 1.600 | 85,9 | 15,0 | 20,2 | 7,58 | 190 | 37,9 | 135 | Compañía |
| 2B-12 | - | 10 | 0,042 | 41 | 1.333 | 74,5 | 20,5 | 21,2 | 12,15 | 289 | 28,9 | 103 | Compañía |

(Eucalyptus maidenii)

| | | | | | | | | | | | | | |
|-------|-------|----|--------|----|-------|------|------|------|-------|-----|------|-----|---------------------|
| 7 | 2 | 4 | 0,04 | 34 | 1.600 | 53,1 | 15,3 | 12,6 | 2,17 | 54 | 13,6 | 82 | Compañía de Pulpa |
| B-30 | 8 | 8 | 0,0441 | 25 | 1.111 | 34,0 | 15,9 | 14,6 | 2,00 | 45 | 5,7 | 92 | Corporación Pública |
| 21 | 10,6a | 9 | 0,042 | 42 | 1.666 | 60,0 | 17,4 | 17,0 | 4,82 | 115 | 12,8 | 98 | Compañía de Pulpa |
| 2B-10 | - | 10 | 0,042 | 44 | 1.333 | 80,0 | 19,0 | 19,4 | 10,31 | 246 | 24,6 | 102 | Compañía de Pulpa |

(Eucalyptus saligna)

| No. de parcela | Zona de suelo | Edad | Área Ha | No. de árboles medidos | No. de árboles plantados | Porcentaje de supervivencia % | D.A.P. Medio Cm | Altura Media m | Volumen | | IMA m ³ | Relación de Forma | Propiedad y Otros |
|----------------|---------------|------|---------|------------------------|--------------------------|-------------------------------|-----------------|----------------|-------------------------|--------------------|--------------------|-------------------|-------------------|
| | | | | | | | | | m ³ /Parcela | m ³ /Ha | | | |
| B-12 | 7 | 10 | 0,0441 | 43 | 1.111 | 87,8 | 19,7 | 29 | 15,20 | 345 | 34,5 | 147 | Agrícola |
| B-8 | 7 | 14 | 0,0588 | 32 | 833 | 76,2 | 27,0 | 34 | 24,90 | 424 | 30,3 | 126 | Agrícola |
| 33 | 9 | 11 | 0,0441 | 30 | 1.111 | 61,2 | 21,1 | 23,4 | 9,81 | 223 | 20,2 | 111 | Individual |
| 34 | 9 | 11 | 0,0441 | 31 | 1.111 | 63,3 | 20,3 | 21,3 | 8,54 | 194 | 17,6 | 105 | Individual |
| 35 | 9 | 12 | 0,042 | 47 | 1.666 | 67,2 | 19,2 | 21,0 | 11,42 | 272 | 22,7 | 109 | Individual |
| 39 | 9 | 14 | 0,042 | 43 | 1.333 | 76,8 | 20,7 | 26,8 | 15,51 | 369 | 26,4 | 129 | Asociación |
| 2B-13 | - | 10 | 0,045 | 58 | 1.666 | 78,4 | 19,6 | 22,2 | 18,04 | 401 | 40,1 | 113 | Compañía de Pulpa |

(Eucalyptus viminalis)

| | | | | | | | | | | | | | |
|-------|------|----|-------|----|-------|------|------|------|-------|-----|------|-----|-------------------|
| 24 | 5,02 | 9 | 0,04 | 62 | 2.000 | 77,5 | 18,2 | 19,2 | 8,30 | 207 | 23,0 | 105 | Compañía de Pulpa |
| 2B-11 | - | 10 | 0,042 | 39 | 1.333 | 70,9 | 19,6 | 19,0 | 10,12 | 241 | 24,1 | 97 | Compañía de Pulpa |

(Pinus taeda)

| No. de parcela | Zona de suelo | Edad | Área Ha | No. de árboles medidos | No. de árboles plantados | Porcentaje de supervivencia % | D.A.P. Medio Cm | Altura Media m | Volumen | | IMA m ³ | Relación de Forma A/D.A.P. | Propiedad y Otros |
|----------------|---------------|------|---------|------------------------|--------------------------|-------------------------------|-----------------|----------------|-------------------------|--------------------|--------------------|----------------------------|-----------------------|
| | | | | | | | | | m ³ /Parcela | m ³ /Ha | | | |
| 2 | 07 | 8 | 0,041 | 48 | 2.666 | 43,9 | 17,3 | 8,3 | 3,60 | 88 | 11,0 | 48 | Dirección Forestal |
| 2B-1 | 07 | 10 | 0,04 | 90 | 2.500 | 90,0 | 13,3 | 6,5 | 3,43 | 86 | 8,6 | 49 | Dirección Forestal |
| 4 | 07 | 13 | 0,063 | 34 | 1.666 | 32,4 | 27,0 | 19,1 | 15,33 | 243 | 18,7 | 71 | Individual |
| 18 | 07 | 30 | 0,045 | 30 | 2.500 | 26,7 | 32,2 | 24,6 | 26,03 | 578 | 19,3 | 76 | Industria forestal |
| 9 | 2 | 27 | 0,09 | 36 | 2.000 | 20,0 | 31,5 | 17,1 | 22,15 | 246 | 9,1 | 54 | Compañía de Pulpa |
| 2C-1 | 7 | 10 | 0,0441 | 56 | 1.333 | 96,6 | 20,7 | 12,2 | 10,34 | 234 | 23,4 | 59 | Industria no forestal |
| B-10 | 7 | 11 | 0,0441 | 45 | 1.111 | 91,8 | 21,1 | 15,0 | 9,10 | 206 | 18,8 | 71 | Agrícola |
| B-17 | 7 | 11 | 0,0405 | 30 | 1.111 | 66,7 | 21,5 | 12,0 | 5,48 | 135 | 12,3 | 56 | Agrícola |
| B-15 | 7 | 12 | 0,0441 | 47 | 1.111 | 95,9 | 21,7 | 14,1 | 9,58 | 217 | 18,1 | 65 | Agrícola |
| B-2 | 7 | 13 | 0,0441 | 25 | 1.111 | 51,0 | 28,8 | 20,0 | 13,14 | 298 | 23,0 | 69 | Compañía |
| B-7 | 7 | 17 | 0,0441 | 38 | 1.111 | 77,6 | 27,4 | 24,0 | 21,00 | 476 | 28,0 | 88 | Compañía de tabaco |
| B-31 | 8 | 10 | 0,0441 | 47 | 1.111 | 95,9 | 21,0 | 14,0 | 8,46 | 192 | 19,2 | 67 | Compañía |
| B-24 | 8 | 12 | 0,0441 | 34 | 1.111 | 69,4 | 24,3 | 12,0 | 8,00 | 181 | 15,1 | 49 | Agrícola |
| 2C-10 | 8 | 14 | 0,0406 | 54 | 1.600 | 84,4 | 18,4 | 9,9 | 6,36 | 157 | 11,2 | 54 | Agrícola |
| B-21 | 9 | 9 | 0,0441 | 47 | 1.111 | 95,9 | 17,7 | 11,9 | 5,07 | 115 | 12,8 | 67 | Industria forestal |
| 2B-16 | 9 | 10 | 0,063 | 31 | 1.111 | 44,9 | 21,9 | 12,2 | 6,54 | 104 | 10,4 | 56 | Corporación Pública |
| 2B-18 | 9 | 12 | 0,0441 | 26 | 1.111 | 53,1 | 25,2 | 17,2 | 10,15 | 230 | 19,2 | 68 | Corporación Pública |
| 2C-7 | 9 | 12 | 0,0506 | 42 | 1.600 | 52,5 | 23,1 | 13,9 | 11,28 | 223 | 18,6 | 60 | Corporación Pública |
| 2C-6 | 9 | 13 | 0,0506 | 33 | 1.600 | 41,3 | 25,6 | 14,9 | 11,89 | 235 | 18,1 | 58 | Corporación Pública |
| 29 | 9 | 19 | 0,04 | 15 | 1.600 | 23,4 | 29,4 | 18,6 | 8,18 | 205 | 10,8 | 61 | Corporación Pública |
| 2B-21 | 9 | 23 | 0,0441 | 36 | 1.111 | 73,5 | 25,2 | 21,1 | 16,87 | 383 | 16,6 | 84 | Corporación Pública |

(Pinus eliottii)

| No. de parcela | Zona de suelo | Edad | Área Ha | No. de árboles medidos | No. de árboles plantados | Porcentaje de supervivencia % | D.A.P. Medio Cm | Altura Media m | Volumen | | IMA m ³ | Relación de Forma A/D.A.P. | Propiedad y Otros |
|----------------|---------------|------|------------|------------------------|--------------------------|-------------------------------|--------------------|-------------------|-------------------------|--------------------|-----------------------|----------------------------|-----------------------|
| | | | | | | | | | m ³ /Parcela | m ³ /Ha | | | |
| 26 | 03.4 | 25 | 0,0441 | 35 | 1.111 | 71,4 | 28,5 | 22,9 | 17,71 | 401 | 16,1 | 80 | Compañía de Pulpa |
| 3 | 07 | 7 | 0,04 | 80 | 2.000 | 100,0 | 15,3 | 8,3 | 4,26 | 108 | 15,4 | 54 | Dirección Forestal |
| 2B-3 | 07 | 8 | 0,04 | 73 | 2.000 | 91,3 | 16,5 | 8,6 | 6,32 | 158 | 19,7 | 52 | Dirección Forestal |
| 2B-9 | 07 | 8 | 0,042 | 35 | 1.111 | 71,4 | 13,8 | 7,2 | 2,01 | 48 | 6,0 | 52 | Industria forestal |
| 2B-14 | 07 | 10 | 0,042 | 75 | 2.500 | 71,4 | 15,8 | 11,9 | 8,4 | 200 | 20,0 | 75 | Compañía de Pulpa |
| 18 | 07 | 30 | 0,015 | 10 | 2.500 | 26,7 | 29,8 | 24,5 | 5,66 | 379 | 12,6 | 82 | Industria forestal |
| 14 | 2 | 11 | 0,0441 | 44 | 1.111 | 89,8 | 21,8 | 13,6 | 8,09 | 183 | 16,7 | 62 | Compañía forestal |
| 8 | 2 | 27 | 0,04 | 26 | 2.000 | 32,5 | 34,6 | 18,2 | 19,62 | 492 | 18,2 | 53 | Compañía de Pulpa |
| B-11 | 7 | 10 | 0,0441 | 37 | 1.111 | 75,5 | 22,1 | 14,5 | 7,55 | 171 | 17,1 | 66 | Agrícola |
| 2C-2 | 7 | 11 | 0,0441 | 50 | 1.333 | 86,2 | 21,7 | 13,4 | 11,61 | 263 | 23,9 | 62 | Industria no forestal |
| 2C-3 | 7 | 12 | 0,04 | 50 | 1.600 | 78,1 | 22,8 | 16,1 | 16,61 | 415 | 34,6 | 71 | Industria no forestal |
| B-3 | 7 | 13 | 0,0441 | 28 | 1.111 | 57,1 | 29,3 | 17,6 | 11,51 | 261 | 20,1 | 60 | Compañía |
| B-14 | 7 | 13 | 0,0441 | 42 | 1.111 | 85,7 | 23,7 | 15,4 | 9,92 | 225 | 17,3 | 65 | Agrícola |
| B-29 | 8 | 7 | 0,0441 | 35 | 1.111 | 71,4 | 15,6 | 8,4 | 2,05 | 46 | 6,5 | 54 | Corporación Pública |
| 2C-9 | 8 | 12 | 0,0616 | 48 | 1.333 | 58,5 | 20,6 | 10,4 | 8,04 | 130 | 10,9 | 50 | Corporación Pública |
| B-22 | 9 | 8 | 0,0441 | 44 | 1.111 | 89,8 | 16,3 | 9,4 | 3,15 | 71 | 8,9 | 58 | Industria forestal |
| B-34 | 9 | 8 | 0,0441 | 49 | 1.111 | 100,0 | 17,2 | 10,6 | 4,27 | 98 | 12,3 | 62 | Banco |
| B-20 | 9 | 10 | 0,0441 | 43 | 1.111 | 87,8 | 19,8 | 11,8 | 5,71 | 130 | 13,0 | 60 | Industria forestal |
| 2B-19 | 9 | 10 | 0,0441 | 37 | 1.111 | 75,5 | 22,1 | 11,9 | 8,05 | 182 | 18,2 | 54 | Corporación Pública |
| 2B-17 | 9 | 12 | 0,063 | 36 | 1.111 | 52,2 | 22,1 | 11,8 | 7,85 | 125 | 10,4 | 53 | Corporación Pública |
| 2C-5 | 9 | 13 | 0,0576 | 43 | 1.111 | 68,3 | 24,5 | 15,7 | 15,48 | 306 | 23,5 | 64 | Corporación Pública |
| 36 | 9 | 21 | 0,09 | 38 | 2.000 | 21,1 | 29,3 | 18,8 | 18,23 | 203 | 9,6 | 64 | Corporación Pública |

(Populus)

| No. de parcela | Zona de suelo | Edad | Área Ha | No. de árboles medidos | No. de árboles plantados | Porcentaje de supervivencia % | D.A.P. Medio Cm | Altura Media m | Volumen | | IMA m ³ | Relación de Forma A/D.A.P. | Propiedad y Otros |
|----------------|---------------|------|---------|------------------------|--------------------------|-------------------------------|-----------------|----------------|-------------------------|--------------------|--------------------|----------------------------|---|
| | | | | | | | | | m ³ /Parcela | m ³ /Ha | | | |
| 2B-7 | 03 | 10 | 0,09 | 37 | 555 | 75,5 | 26,6 | 20,2 | 16,25 | 181 | 18,1 | 76 | Industria forestal |
| 17 | 3,1 | 8 | 0,022 | 13 | 1.111 | 53,2 | 25,2 | 18,8 | 4,46 | 203 | 25,3 | 75 | Industria forestal |
| 30 | 9 | 10 | 0,054 | 15 | 277 | 100,0 | 24,5 | 18,3 | 4,73 | 88 | 8,8 | 75 | Plantación mezclada con Salix |
| 2B-15 | - | 10 | 0,0441 | 63 | 1.111 | 128,6 | 12,4 | 15,2 | 4,44 | 101 | 10,1 | 123 | Asociación Compañía de Pulpa Bosque pequeño |

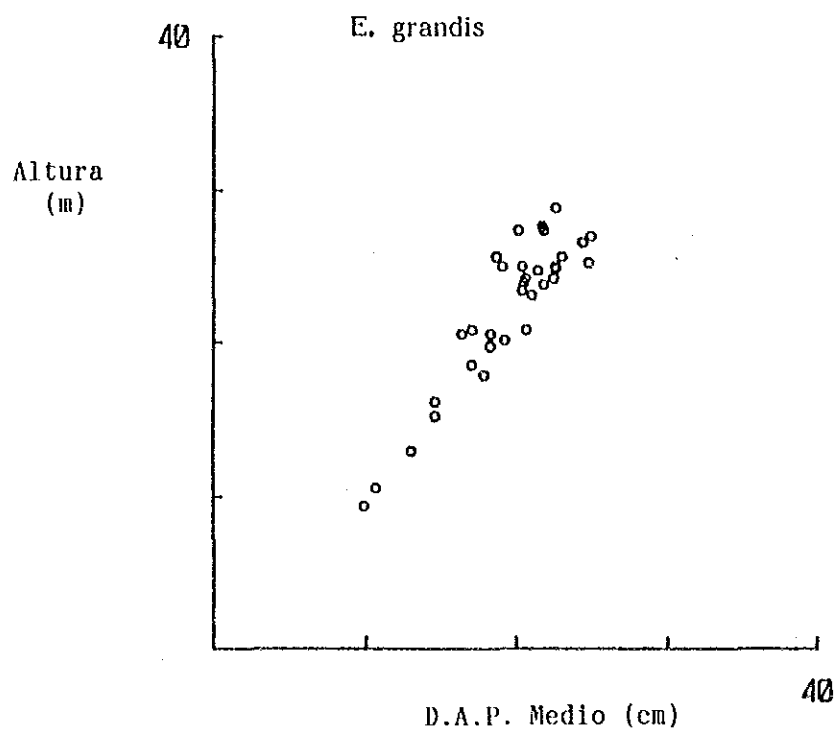
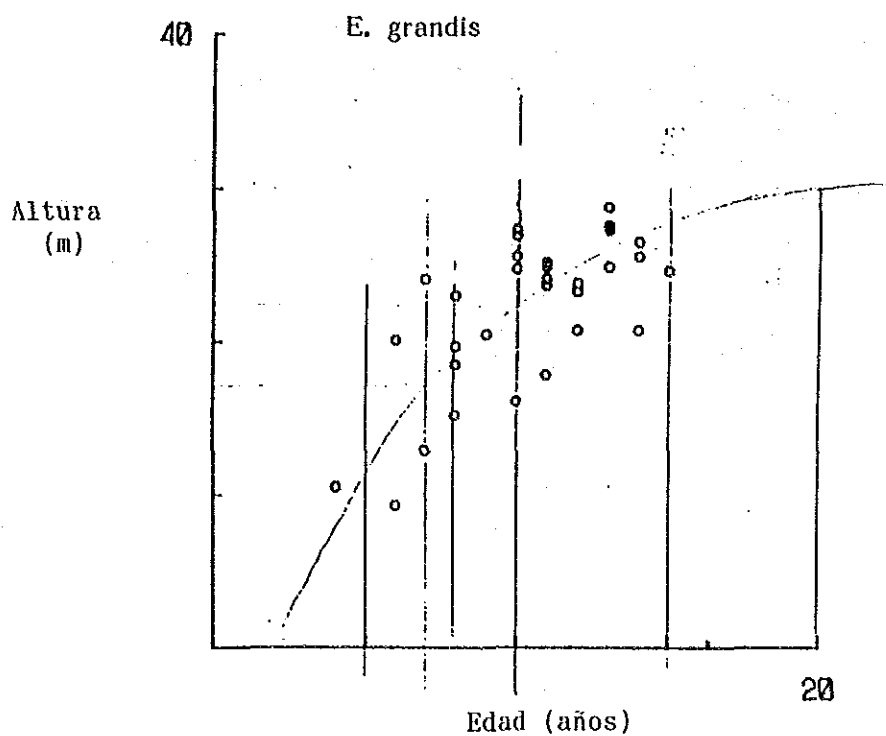
(Salix)

| | | | | | | | | | | | | | |
|-------|-----|---|-------|----|-------|-------|------|------|------|-----|------|-----|--|
| 2B- 8 | 07 | 7 | 0,04 | 47 | 1.111 | 100,0 | 15,4 | 14,5 | 5,32 | 133 | 19,0 | 94 | Industria forestal Intervalos desiguales |
| 17 | 3,1 | 8 | 0,022 | 18 | 1.111 | 73,6 | 13,8 | 14,1 | 1,10 | 50 | 6,3 | 102 | Industria forestal Plantación mezclada con populus |

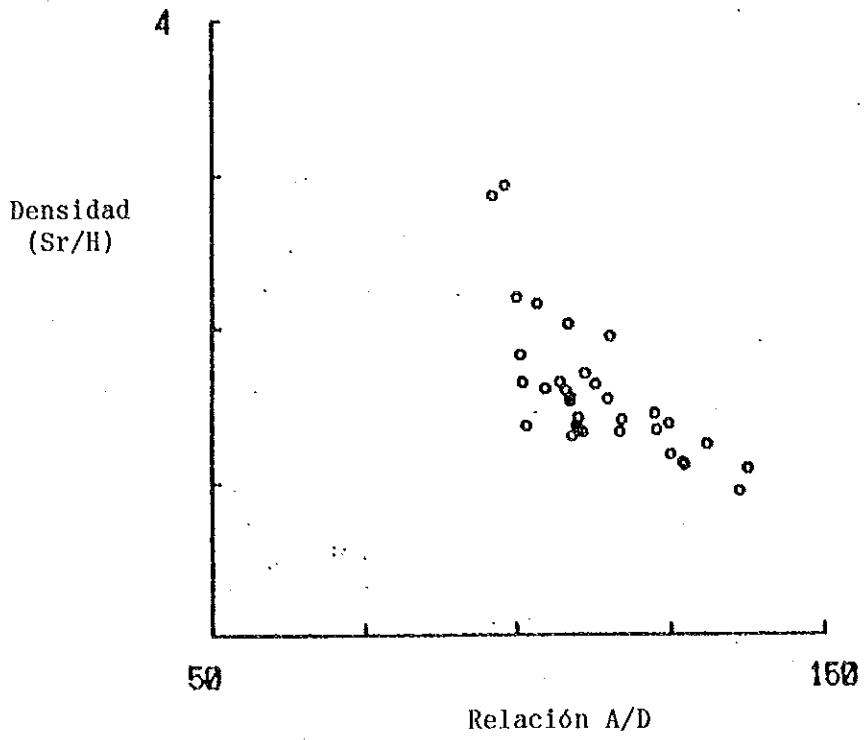
(Pinus pinaster)

| | | | | | | | | | | | | | |
|-------|----|----|-------|----|-------|------|------|-----|------|----|-----|----|--------------------|
| 2B- 2 | 07 | 13 | 0,042 | 49 | 1.666 | 71,0 | 14,9 | 6,9 | 3,99 | 95 | 9,3 | 46 | Dirección Forestal |
|-------|----|----|-------|----|-------|------|------|-----|------|----|-----|----|--------------------|

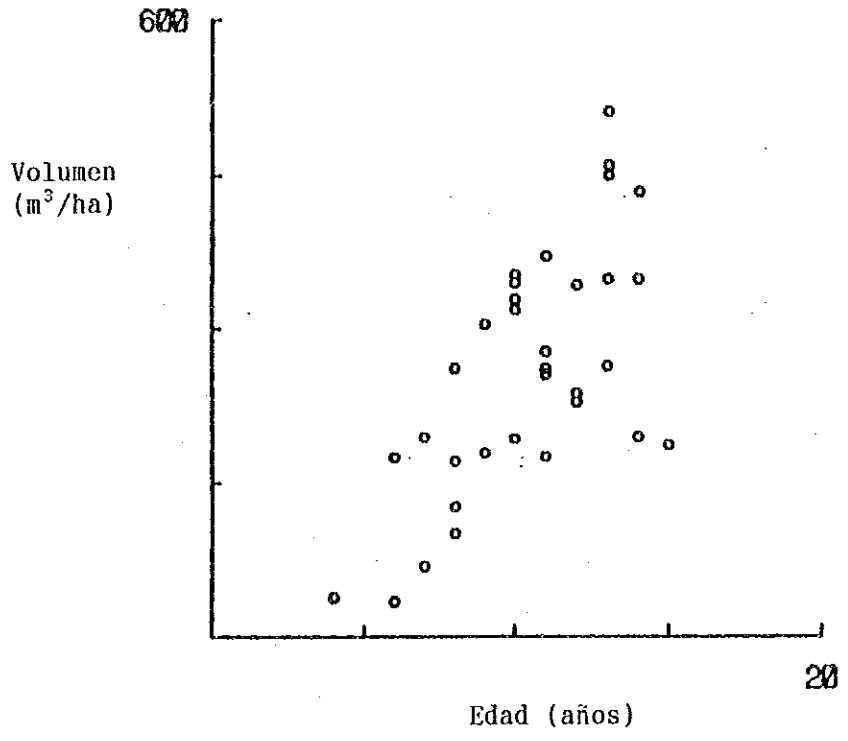
Apéndice 3.2 Datos de Arboles Plantados

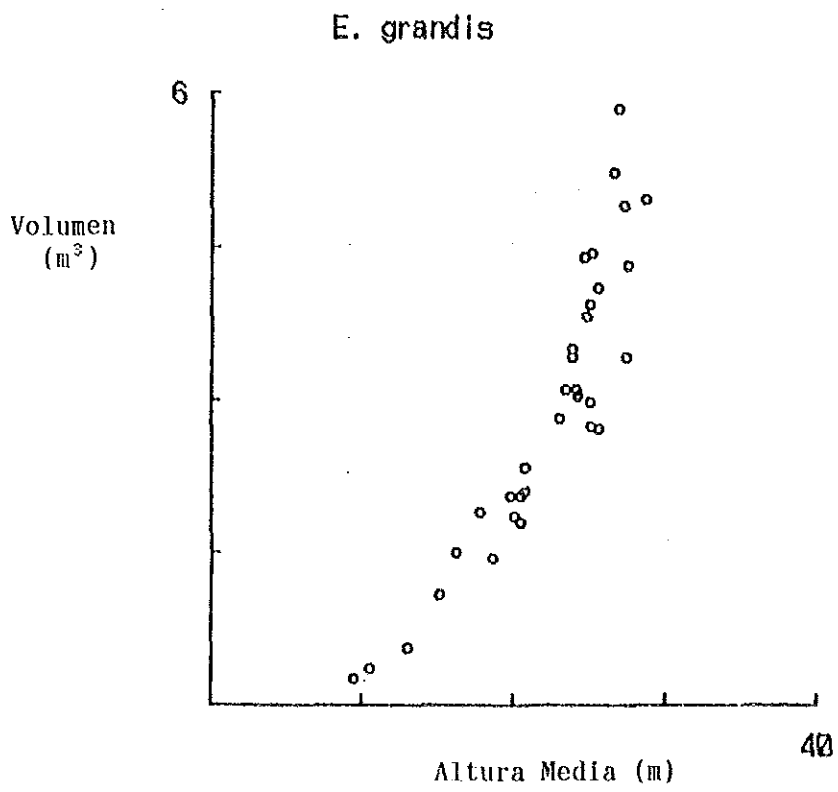
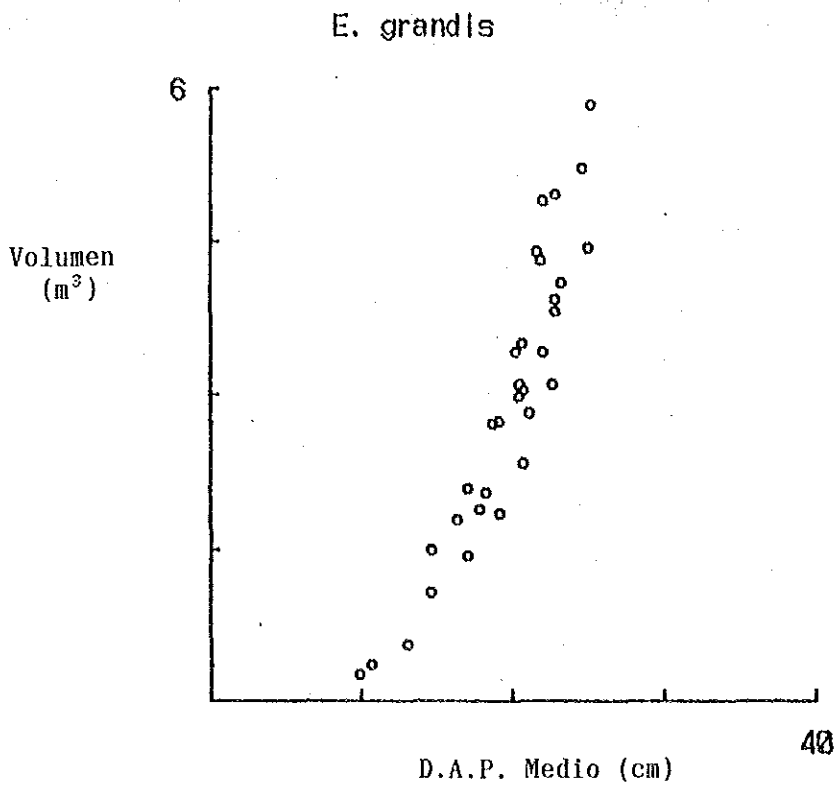


E. grandis

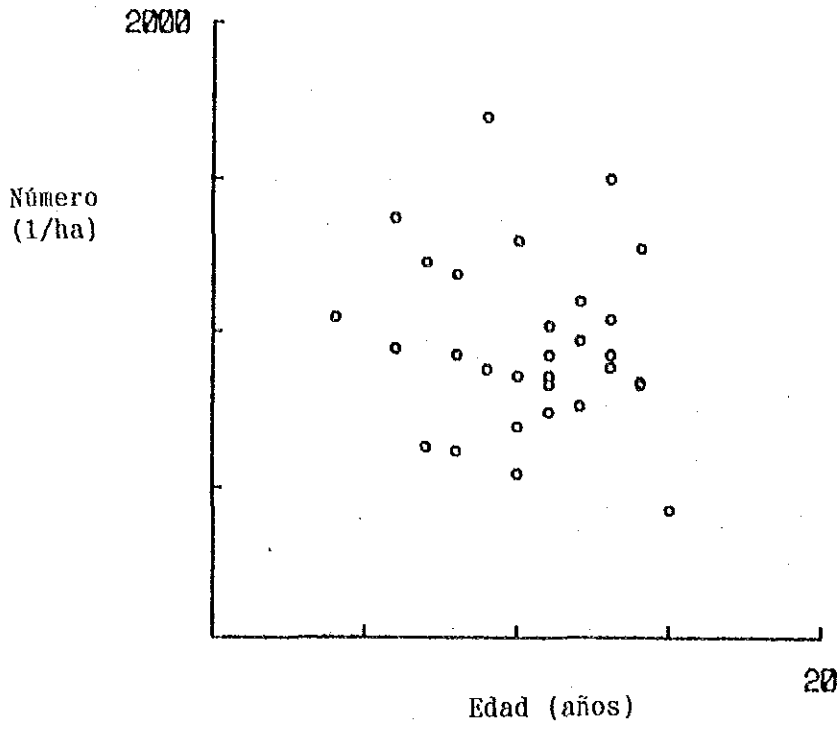


E. grandis

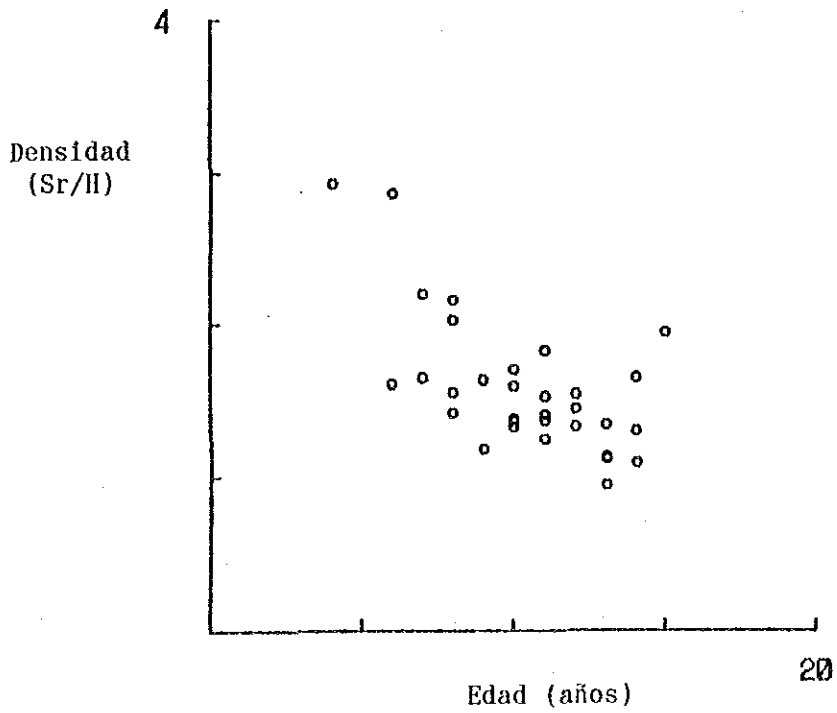




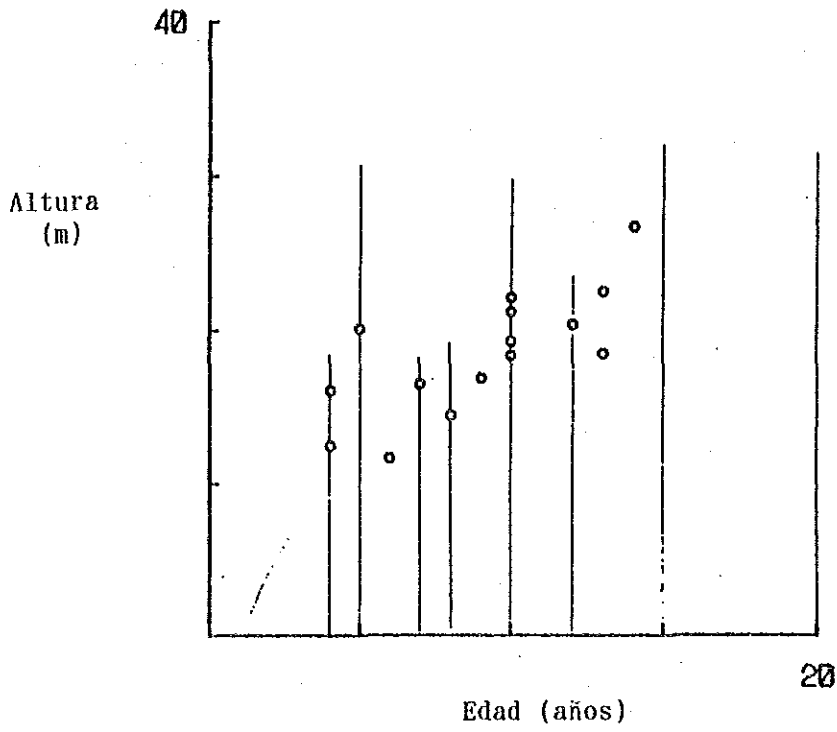
E. grandis



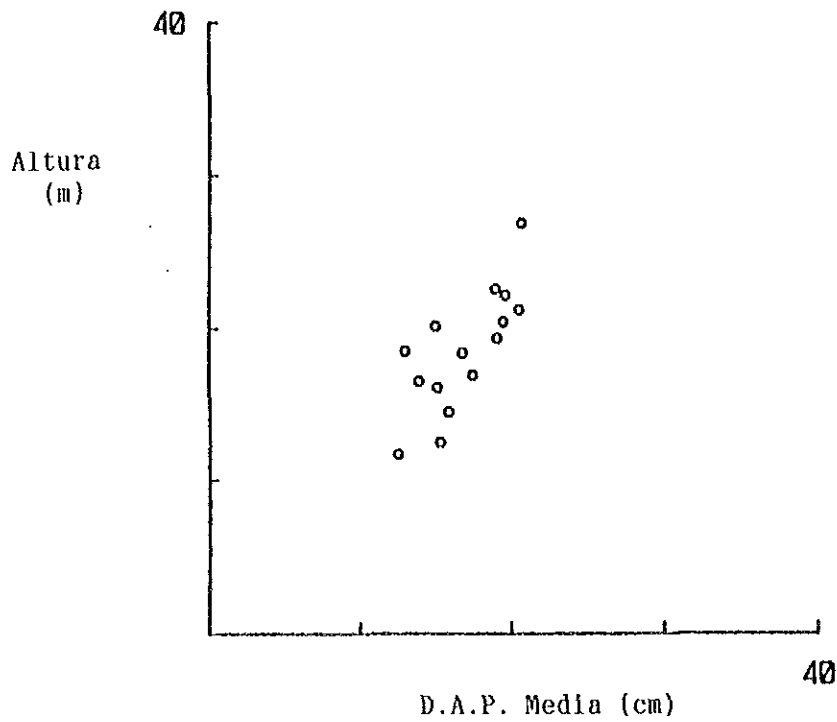
E. grandis



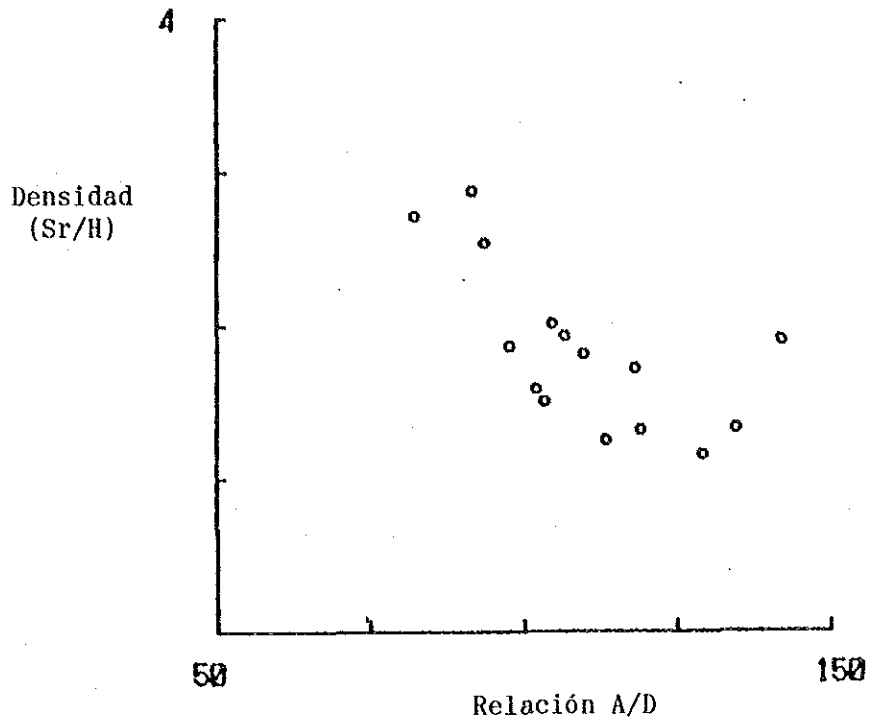
E. globulus + maldenii + viminalis



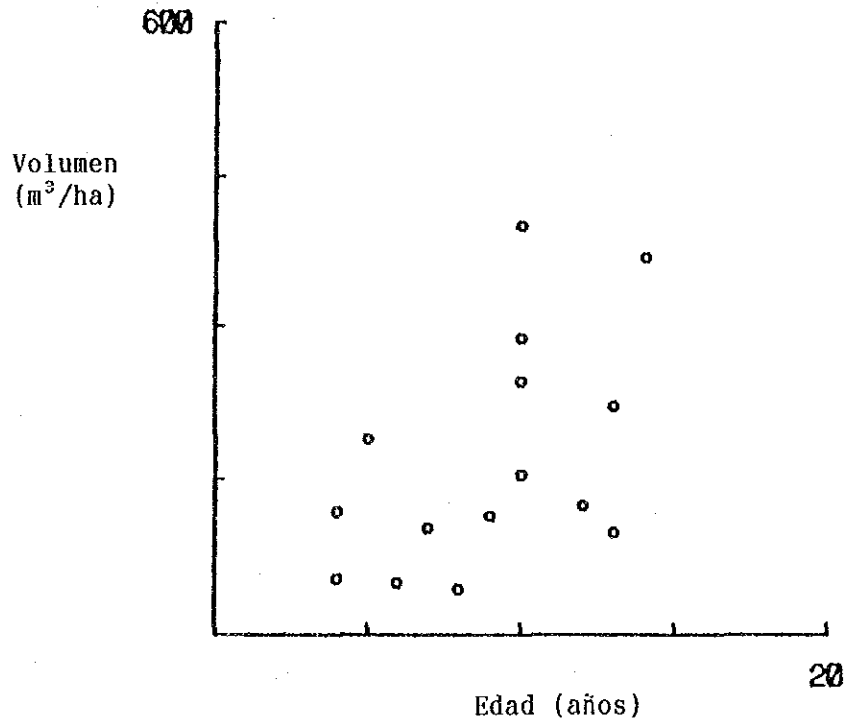
E. globulus + maldenii + viminalis



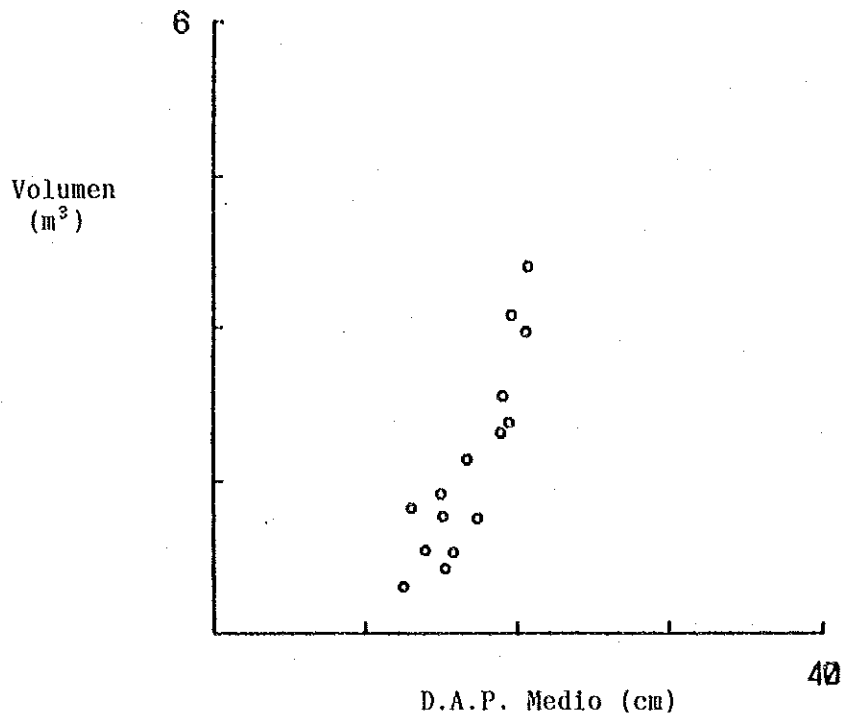
E. globulus + maidenii + viminalis



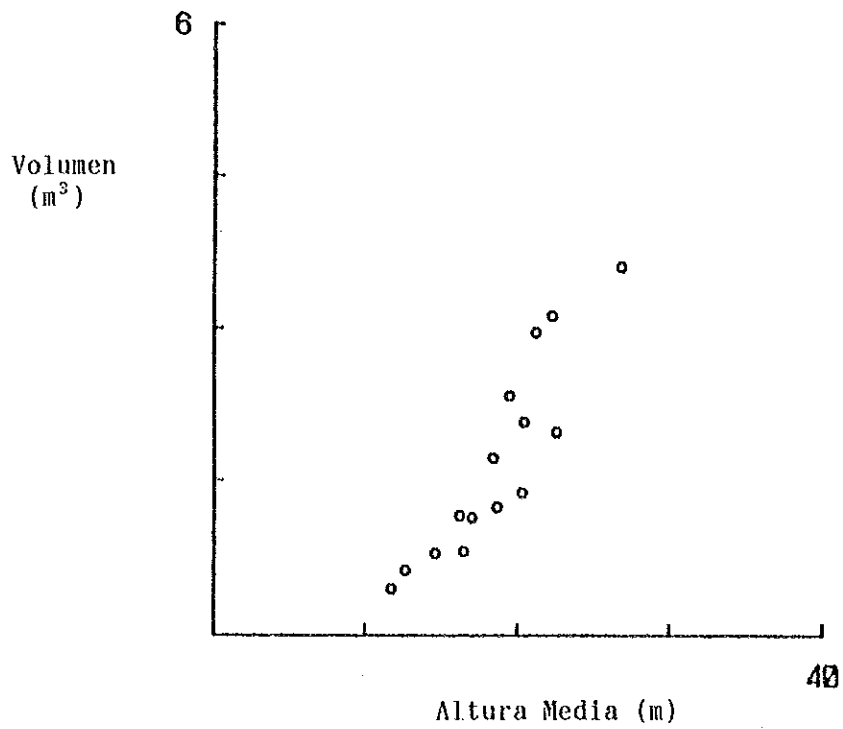
E. globulus + maidenii + viminalis



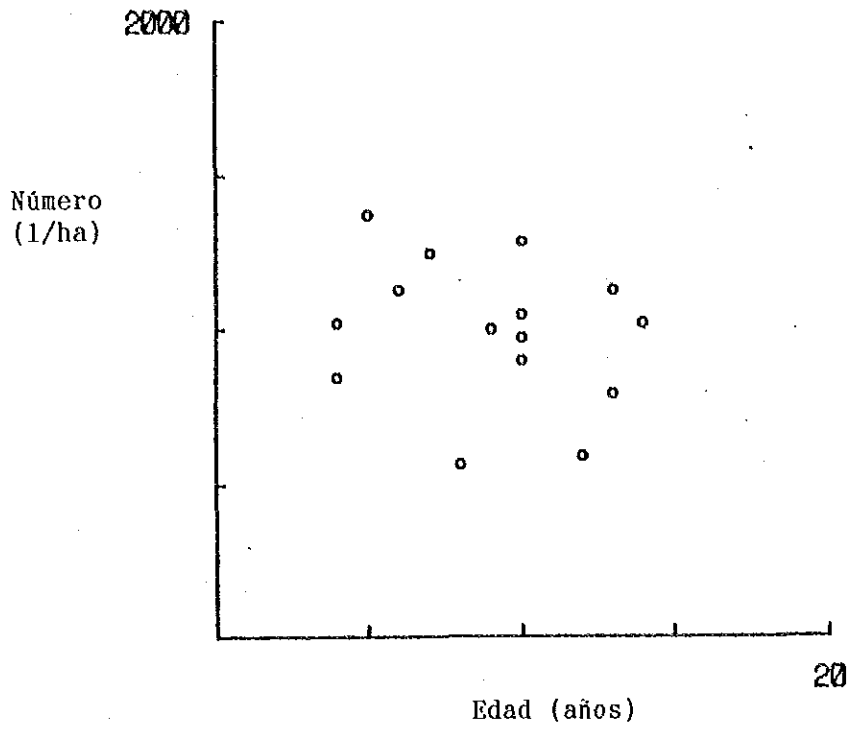
E. globulus + maidenii + viminalis



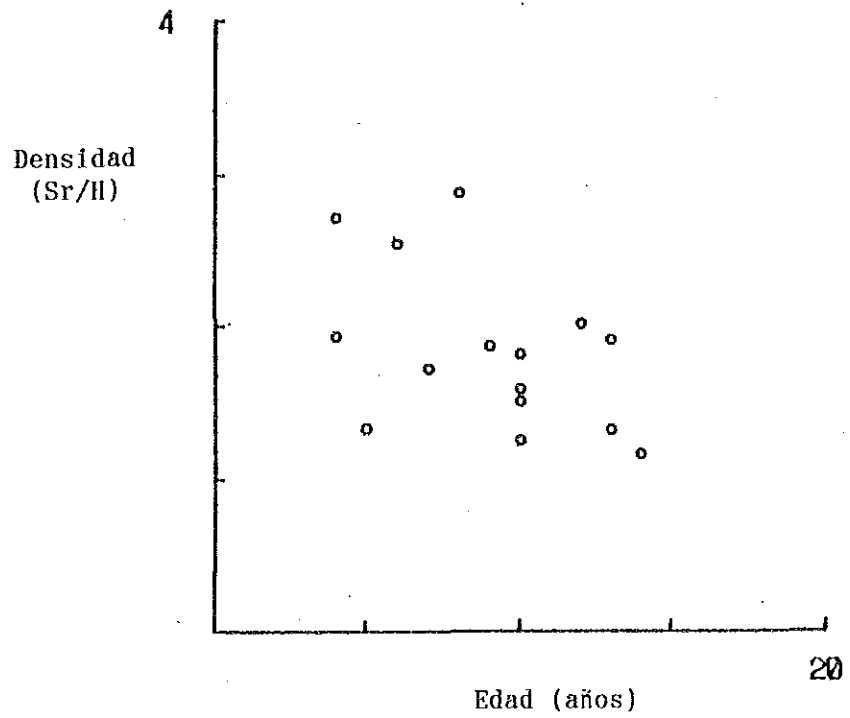
E. globulus + maidenii + viminalis

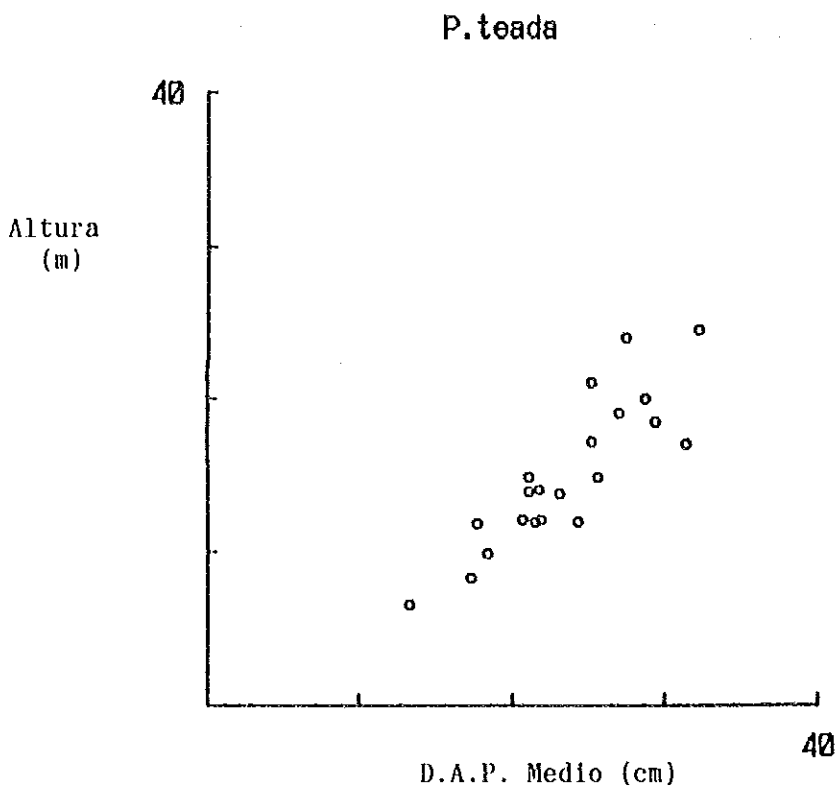
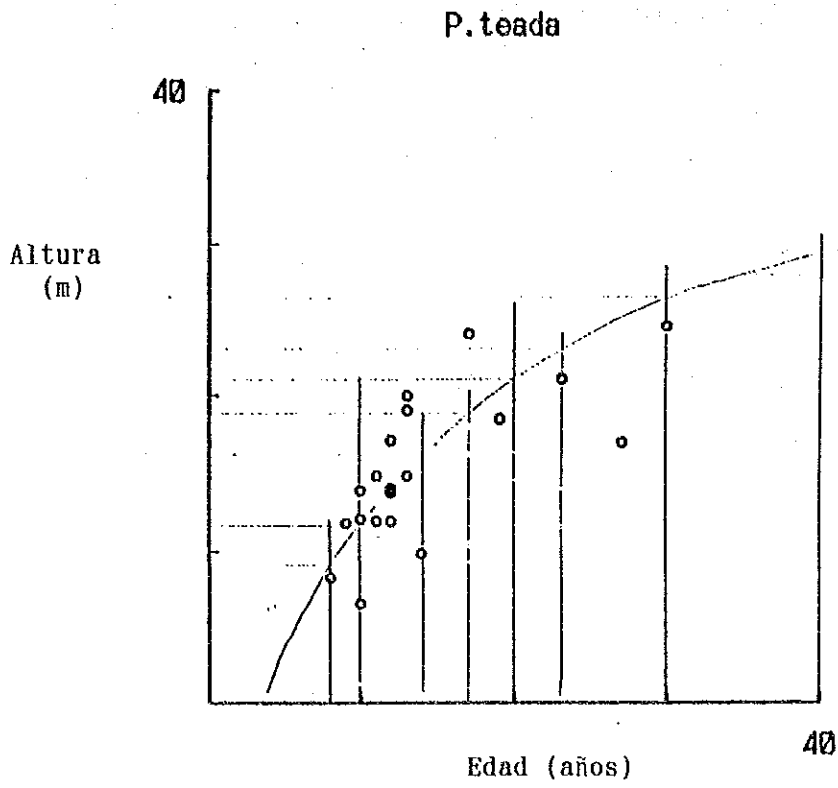


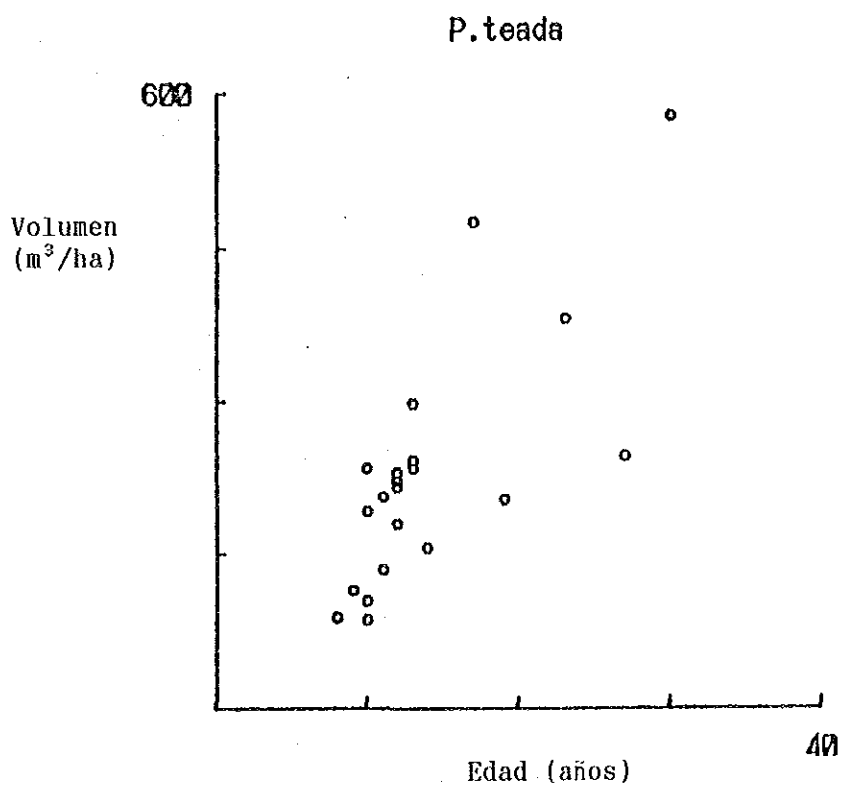
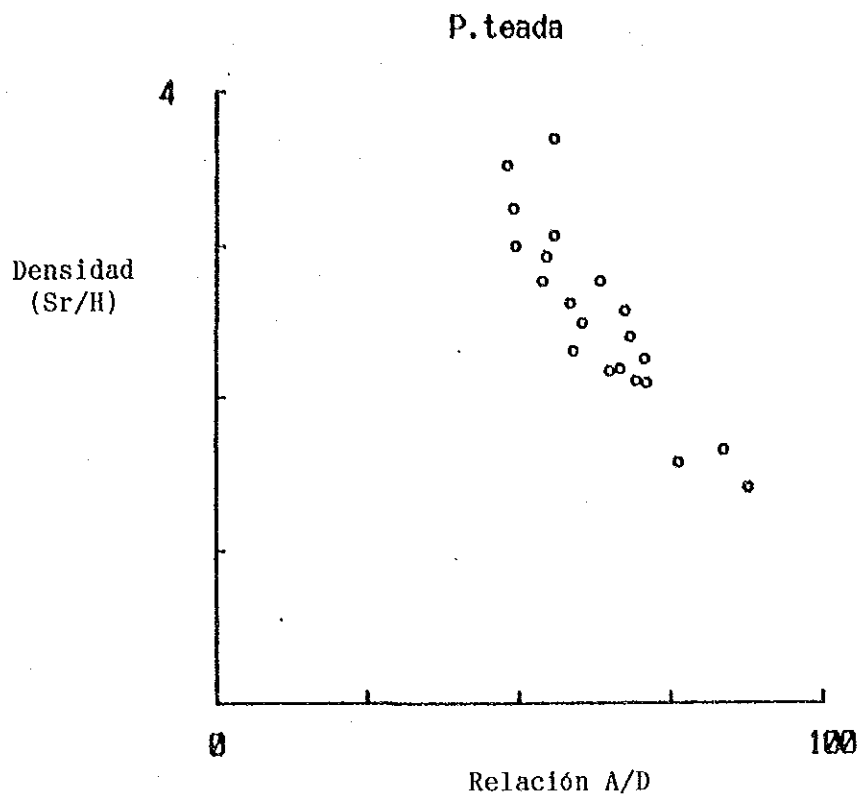
E. globulus + maidenii + viminalis

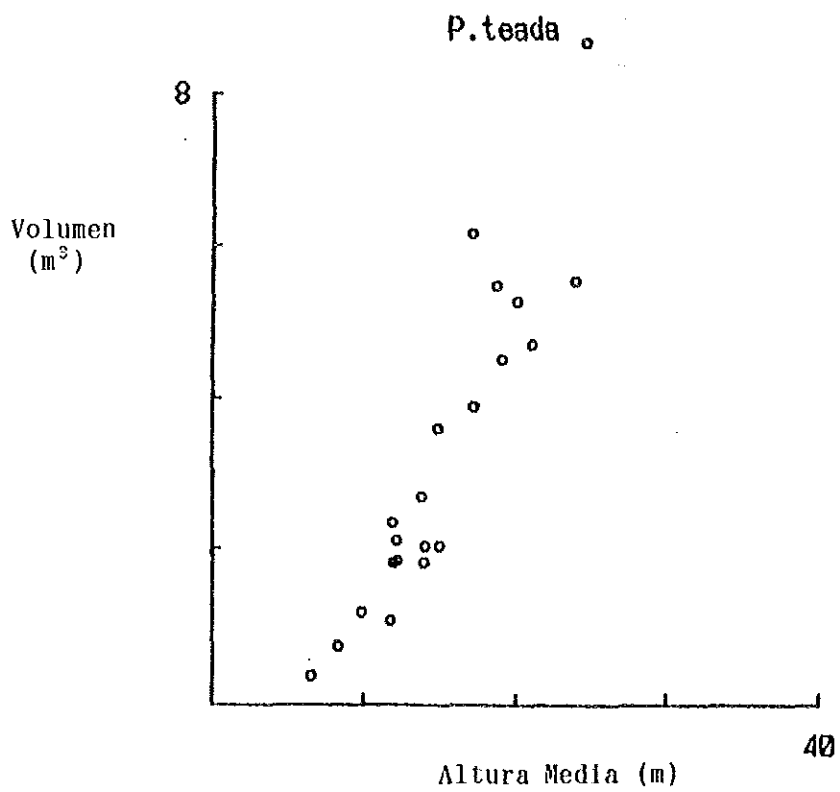
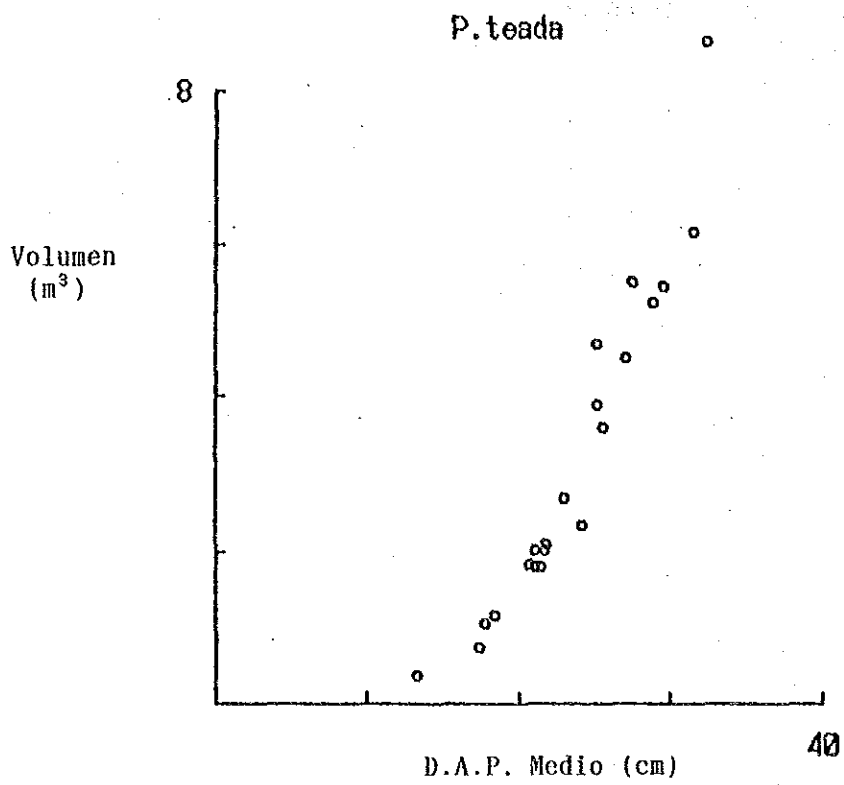


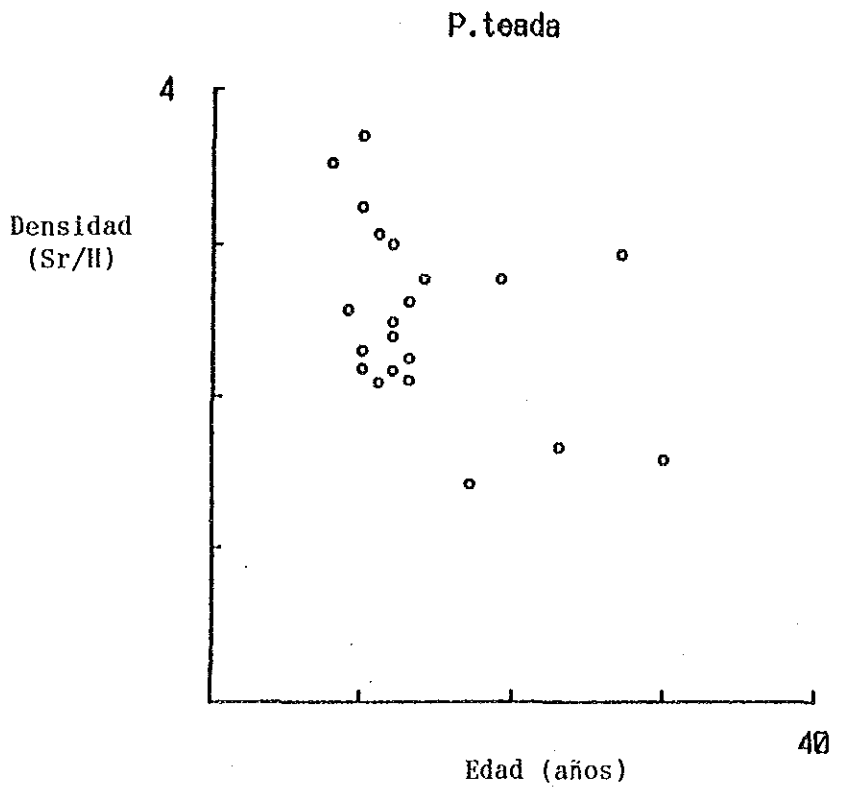
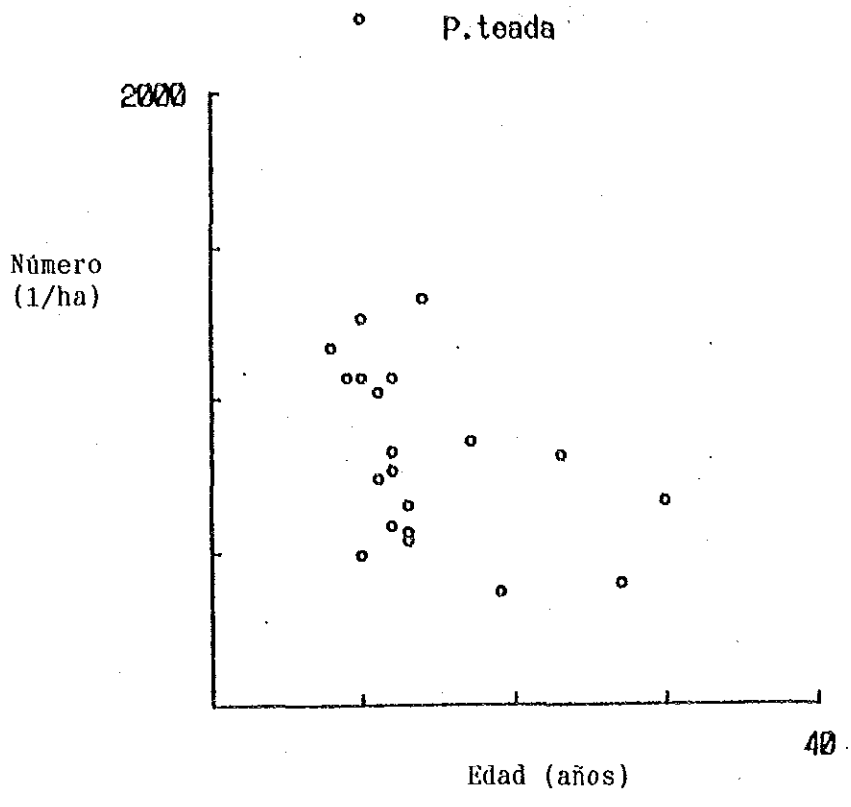
E. globulus + maidenii + viminalis



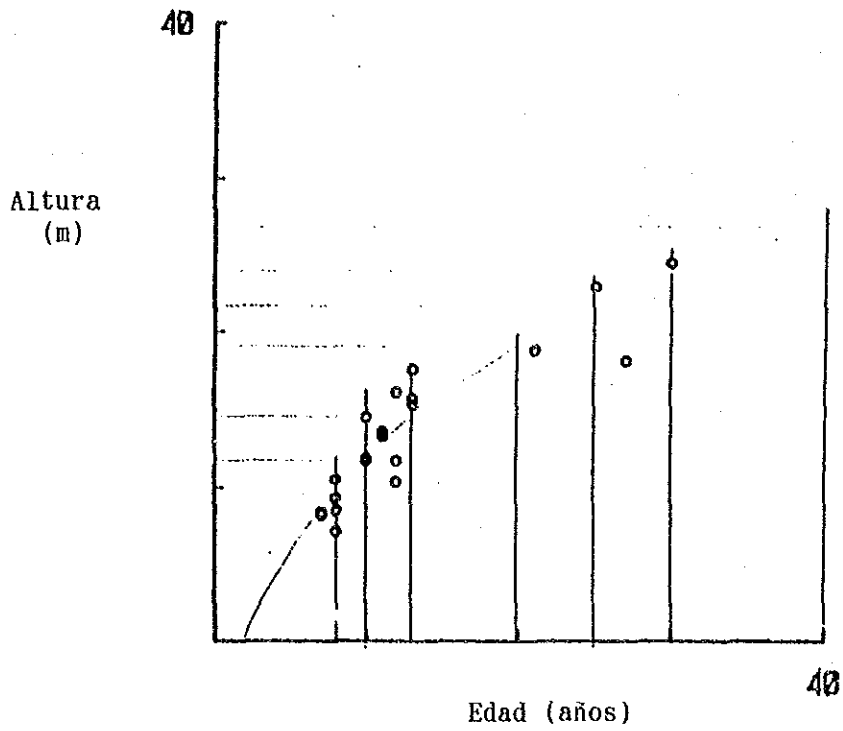




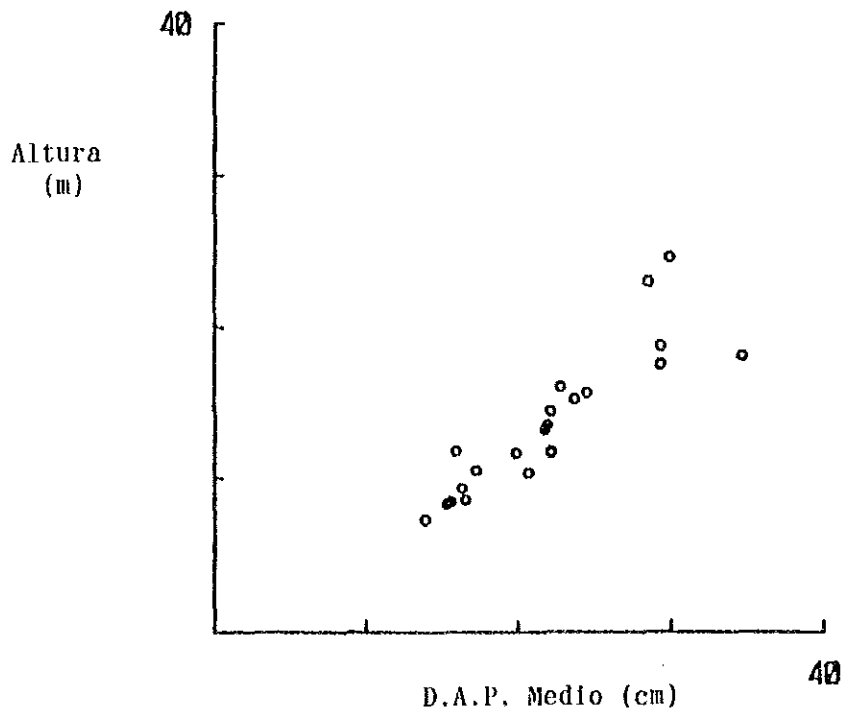


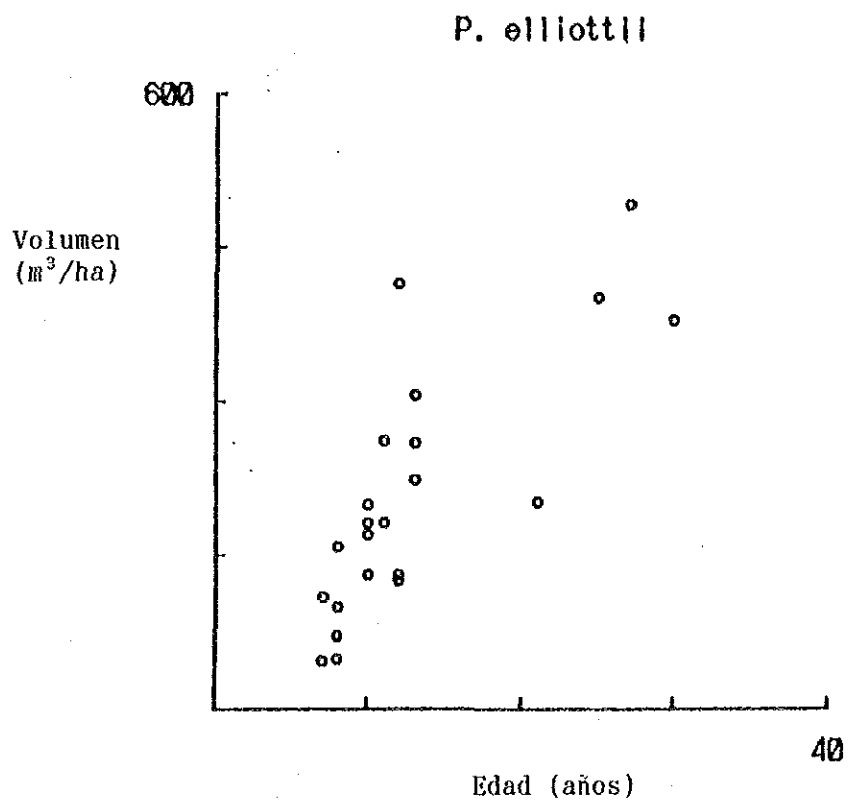
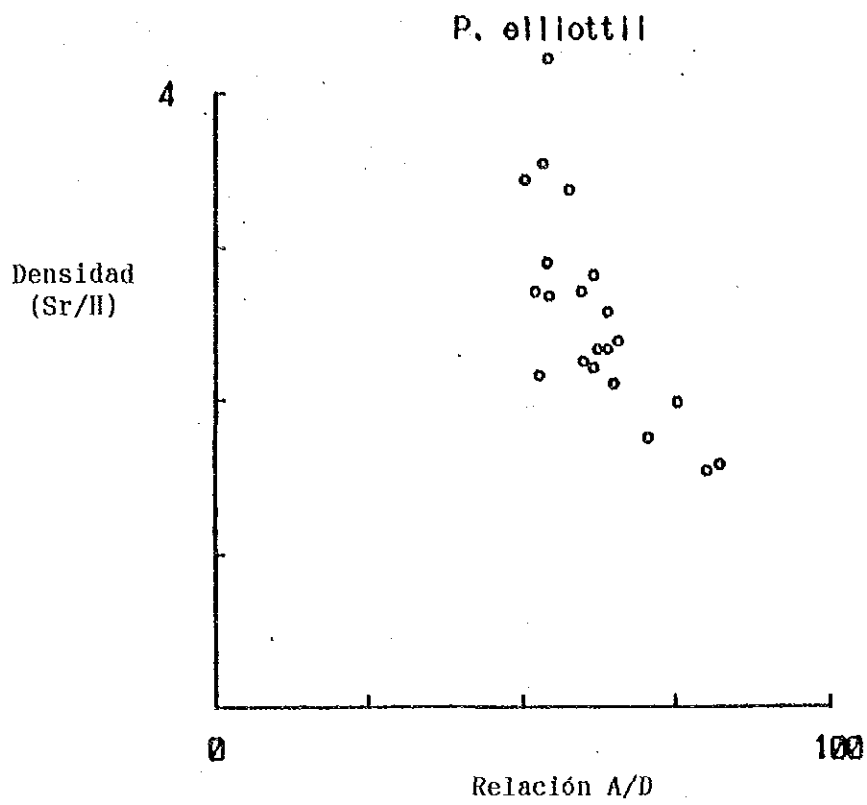


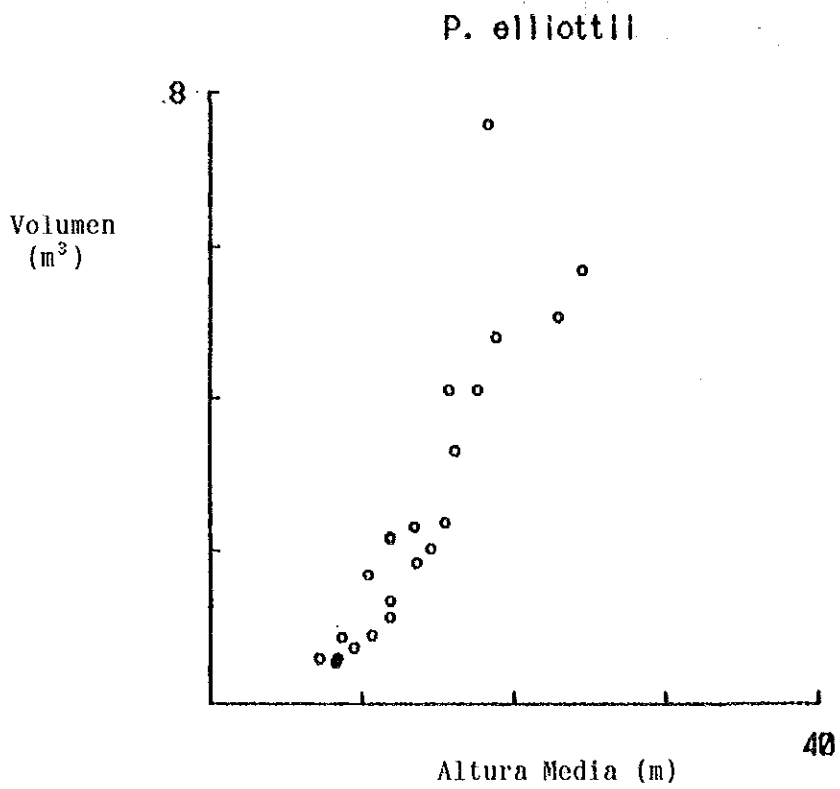
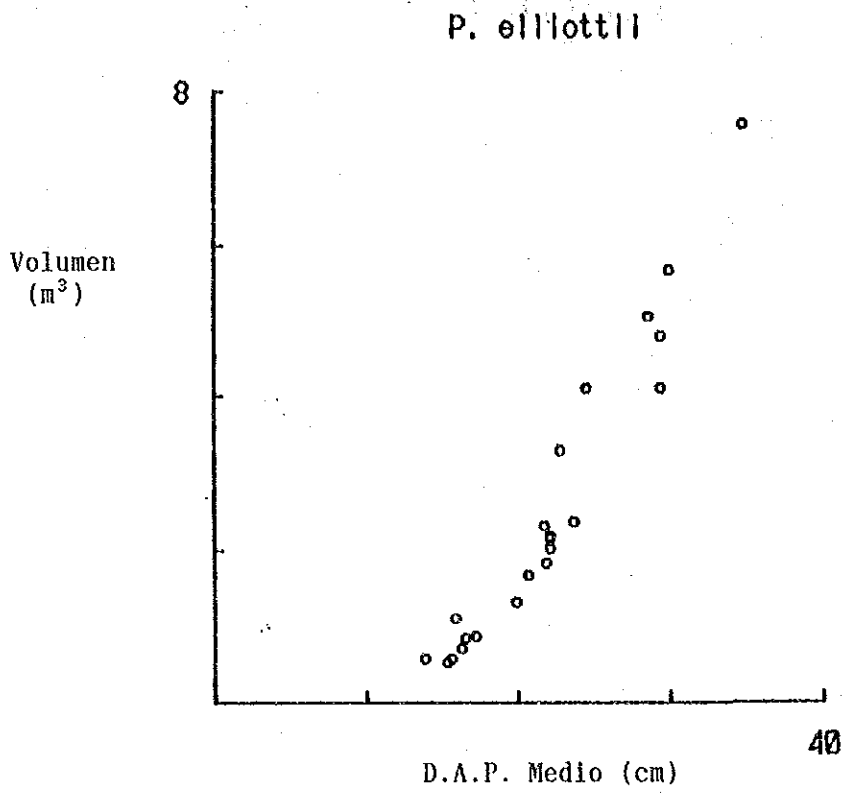
P. ellottii

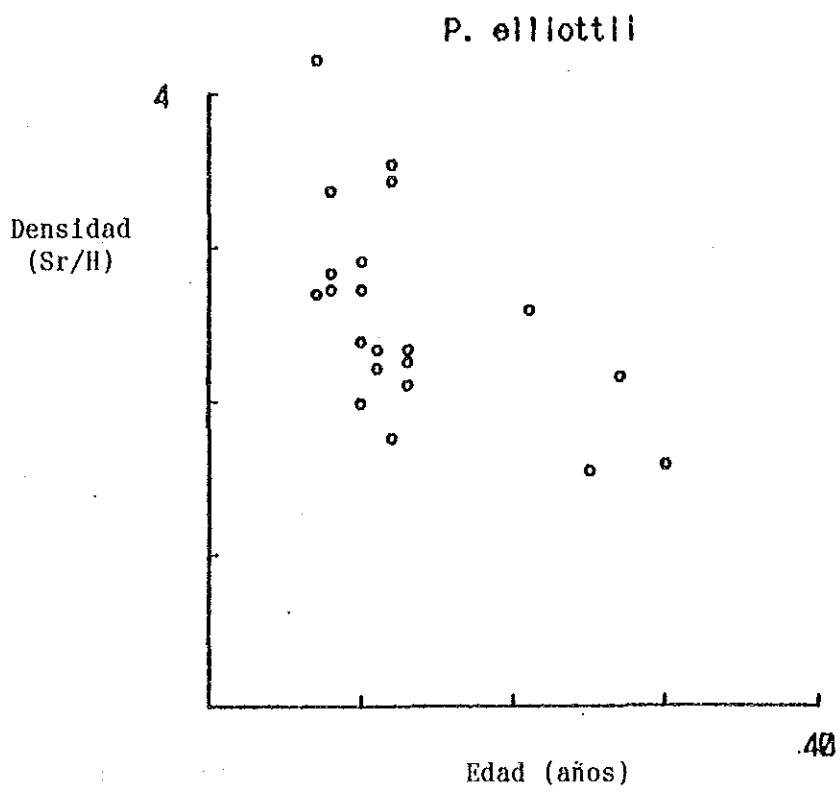
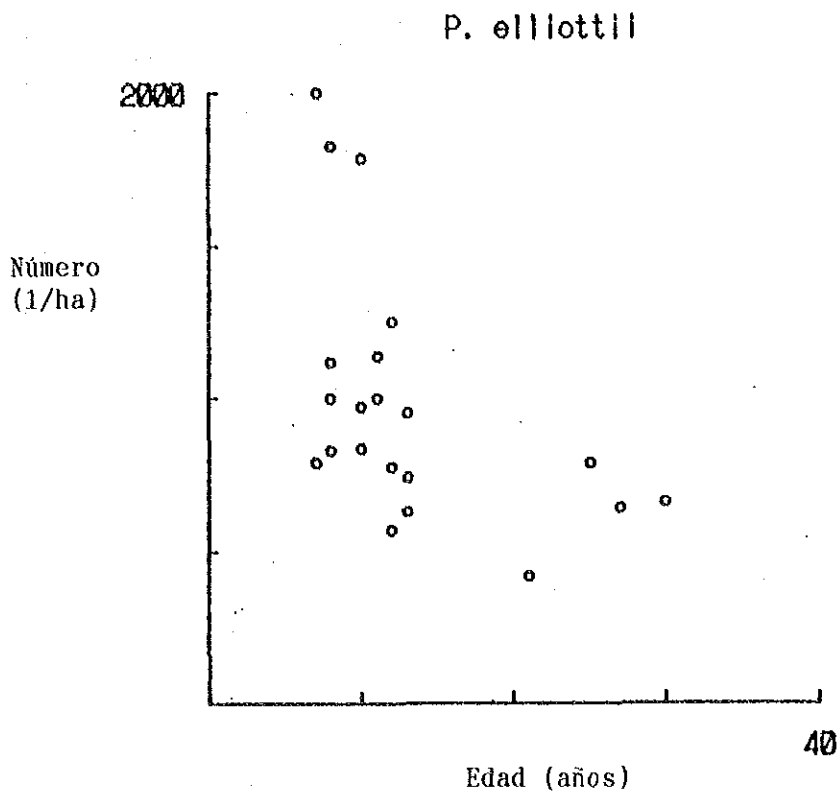


P. ellottii

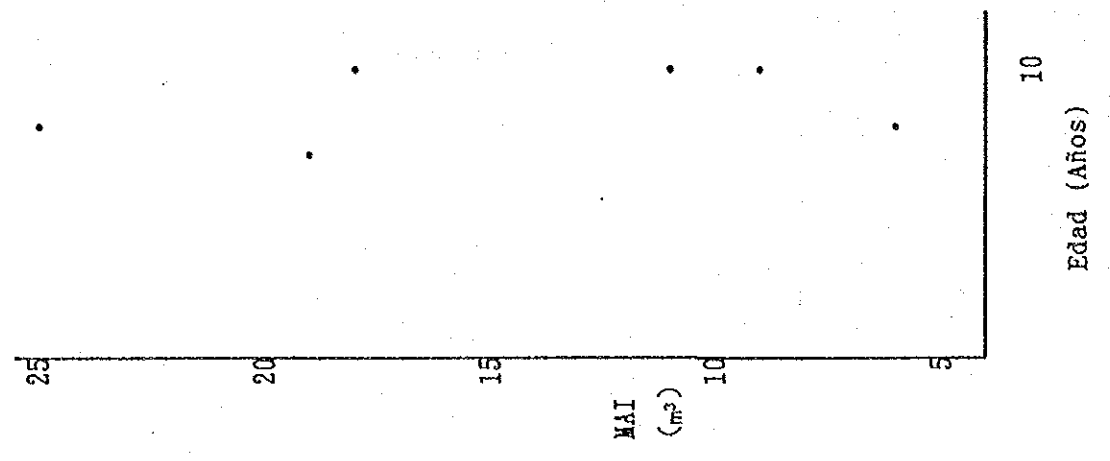




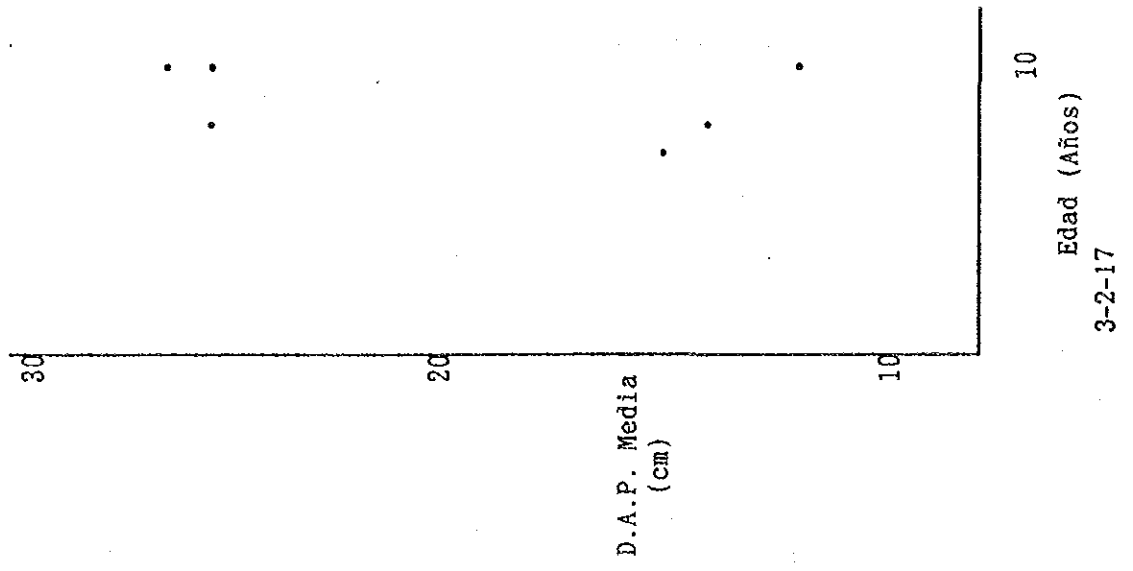




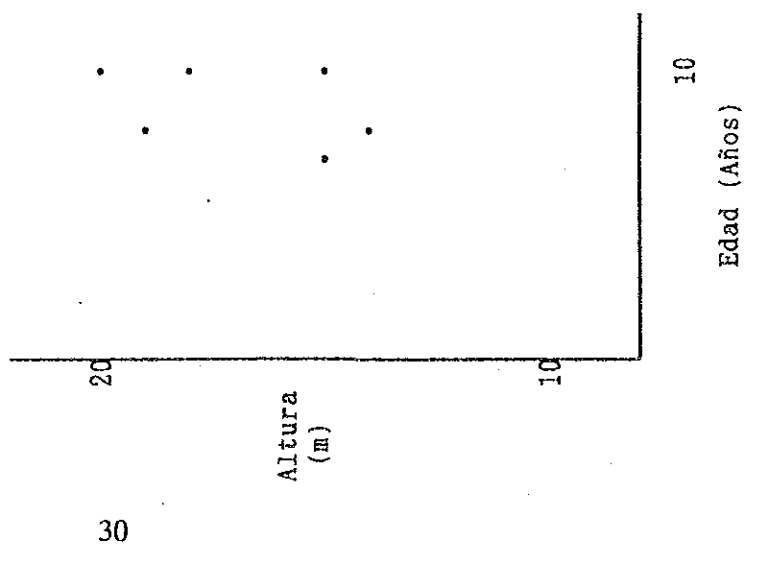
Populus + Salix



Populus + Salix

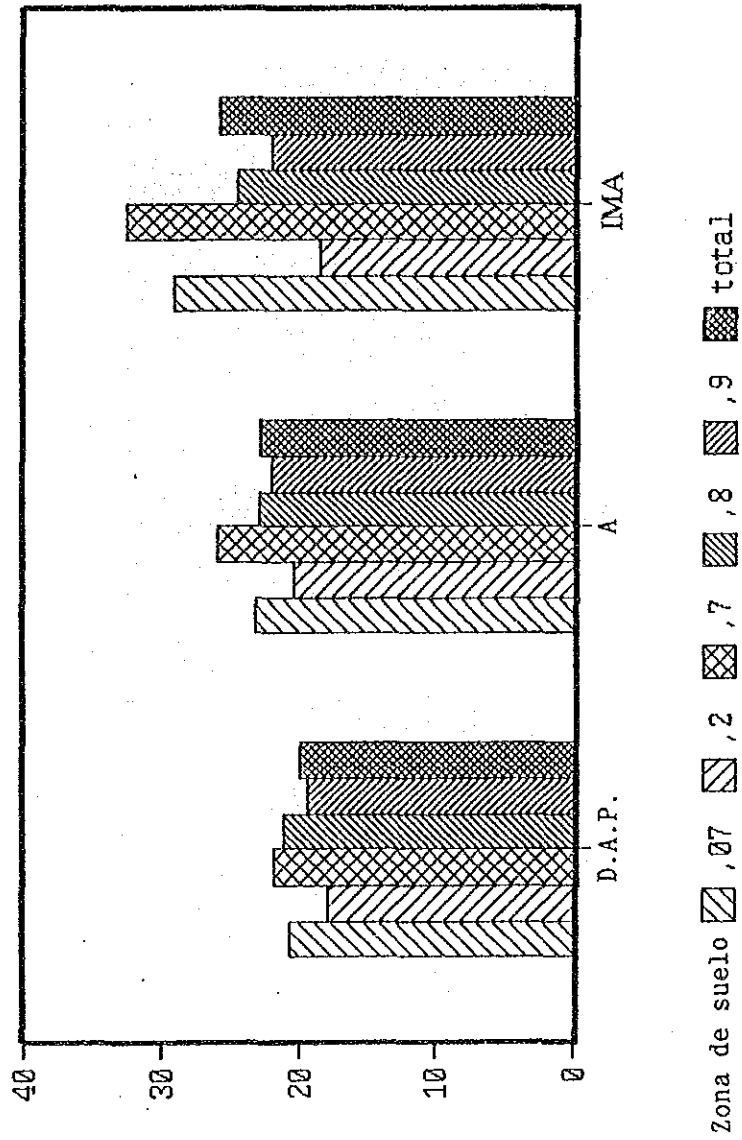


Populus + Salix

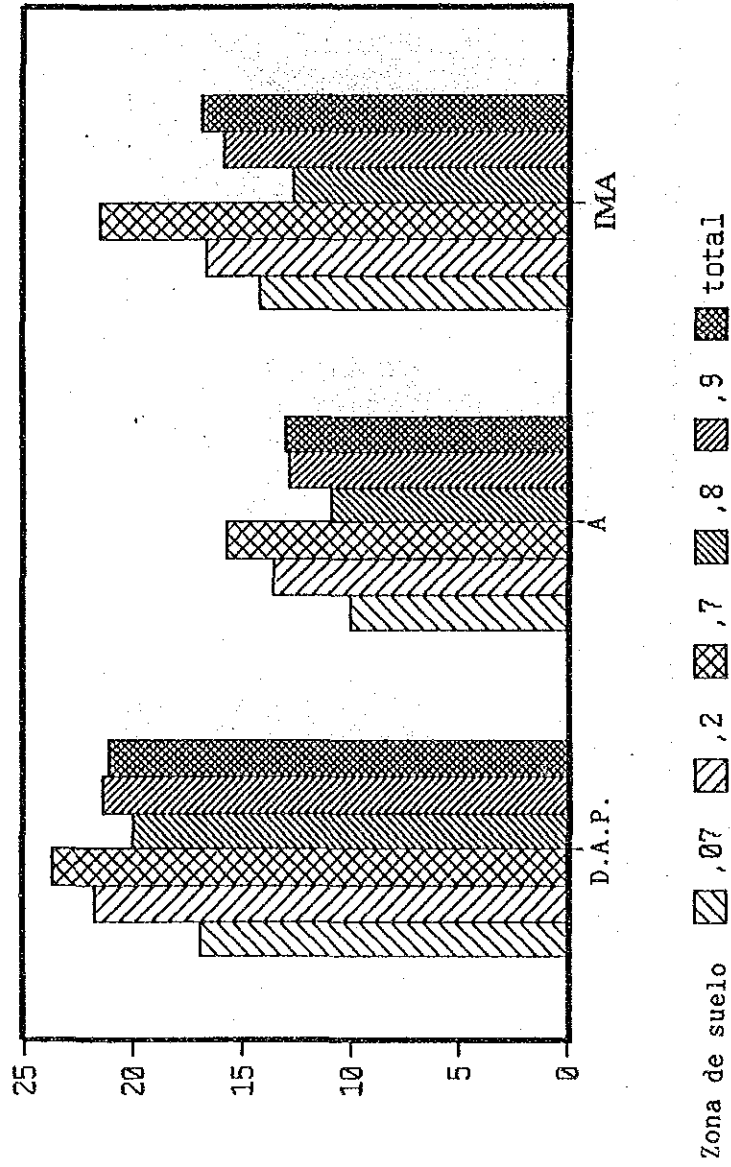


Apéndice 3.3 Crecimiento Medio de Arboles Plantados por Zona de Suelo

GRANDIS



PINDS



3-3-2

Apéndice 3.4 Tabla de Volumen por Árbol

Eucalyptus grandis (con corteza)

| H (m) | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 6 | 0.0052 | 0.0064 | 0.0078 | 0.0092 | 0.0106 | 0.0122 | 0.0137 | 0.0154 | 0.0170 | 0.0188 | 0.0206 | 0.0224 | 0.0243 | 0.0262 | 0.0281 |
| 7 | 0.0059 | 0.0086 | 0.0103 | 0.0122 | 0.0141 | 0.0161 | 0.0182 | 0.0204 | 0.0226 | 0.0249 | 0.0273 | 0.0297 | 0.0322 | 0.0347 | 0.0373 |
| 8 | 0.0068 | 0.0109 | 0.0132 | 0.0156 | 0.0181 | 0.0206 | 0.0231 | 0.0251 | 0.0289 | 0.0319 | 0.0349 | 0.0380 | 0.0412 | 0.0444 | 0.0477 |
| 9 | 0.0109 | 0.0135 | 0.0164 | 0.0193 | 0.0224 | 0.0256 | 0.0289 | 0.0324 | 0.0359 | 0.0396 | 0.0433 | 0.0472 | 0.0511 | 0.0551 | 0.0593 |
| 10 | 0.0133 | 0.0163 | 0.0199 | 0.0235 | 0.0272 | 0.0311 | 0.0351 | 0.0393 | 0.0435 | 0.0480 | 0.0526 | 0.0573 | 0.0620 | 0.0669 | 0.0719 |
| 11 | 0.0158 | 0.0197 | 0.0237 | 0.0280 | 0.0324 | 0.0371 | 0.0419 | 0.0468 | 0.0520 | 0.0573 | 0.0627 | 0.0682 | 0.0739 | 0.0798 | 0.0857 |
| 12 | 0.0186 | 0.0231 | 0.0278 | 0.0328 | 0.0380 | 0.0435 | 0.0491 | 0.0550 | 0.0610 | 0.0672 | 0.0736 | 0.0801 | 0.0868 | 0.0936 | 0.1006 |
| 13 | 0.0215 | 0.0267 | 0.0322 | 0.0380 | 0.0441 | 0.0504 | 0.0569 | 0.0637 | 0.0707 | 0.0778 | 0.0852 | 0.0928 | 0.1005 | 0.1084 | 0.1165 |
| 14 | 0.0247 | 0.0306 | 0.0369 | 0.0436 | 0.0505 | 0.0577 | 0.0652 | 0.0730 | 0.0810 | 0.0892 | 0.0977 | 0.1063 | 0.1152 | 0.1243 | 0.1335 |
| 15 | 0.0280 | 0.0348 | 0.0419 | 0.0495 | 0.0573 | 0.0655 | 0.0741 | 0.0829 | 0.0919 | 0.1013 | 0.1109 | 0.1207 | 0.1308 | 0.1411 | 0.1516 |
| 16 | 0.0315 | 0.0392 | 0.0472 | 0.0557 | 0.0646 | 0.0738 | 0.0834 | 0.0933 | 0.1035 | 0.1140 | 0.1248 | 0.1359 | 0.1473 | 0.1589 | 0.1707 |
| 17 | 0.0353 | 0.0438 | 0.0528 | 0.0623 | 0.0722 | 0.0825 | 0.0932 | 0.1043 | 0.1157 | 0.1275 | 0.1396 | 0.1519 | 0.1646 | 0.1776 | 0.1908 |
| 18 | 0.0392 | 0.0486 | 0.0586 | 0.0692 | 0.0802 | 0.0917 | 0.1036 | 0.1159 | 0.1285 | 0.1416 | 0.1550 | 0.1688 | 0.1829 | 0.1973 | 0.2120 |
| 19 | 0.0433 | 0.0537 | 0.0648 | 0.0764 | 0.0886 | 0.1012 | 0.1144 | 0.1280 | 0.1420 | 0.1564 | 0.1712 | 0.1864 | 0.2020 | 0.2179 | 0.2341 |
| 20 | 0.0475 | 0.0590 | 0.0712 | 0.0840 | 0.0973 | 0.1113 | 0.1257 | 0.1405 | 0.1560 | 0.1719 | 0.1882 | 0.2049 | 0.2220 | 0.2394 | 0.2573 |
| 21 | 0.0520 | 0.0646 | 0.0778 | 0.0918 | 0.1065 | 0.1217 | 0.1375 | 0.1536 | 0.1707 | 0.1880 | 0.2058 | 0.2241 | 0.2428 | 0.2619 | 0.2815 |
| 22 | 0.0567 | 0.0703 | 0.0848 | 0.1000 | 0.1160 | 0.1326 | 0.1498 | 0.1676 | 0.1859 | 0.2048 | 0.2242 | 0.2441 | 0.2645 | 0.2853 | 0.3066 |
| 23 | 0.0615 | 0.0763 | 0.0920 | 0.1086 | 0.1259 | 0.1439 | 0.1625 | 0.1818 | 0.2018 | 0.2222 | 0.2433 | 0.2649 | 0.2870 | 0.3096 | 0.3327 |
| 24 | 0.0665 | 0.0825 | 0.0995 | 0.1174 | 0.1361 | 0.1556 | 0.1758 | 0.1966 | 0.2182 | 0.2403 | 0.2631 | 0.2865 | 0.3104 | 0.3348 | 0.3598 |
| 25 | 0.0717 | 0.0890 | 0.1073 | 0.1266 | 0.1467 | 0.1677 | 0.1895 | 0.2120 | 0.2352 | 0.2591 | 0.2836 | 0.3088 | 0.3346 | 0.3609 | 0.3878 |
| 26 | 0.0770 | 0.0956 | 0.1153 | 0.1360 | 0.1577 | 0.1802 | 0.2036 | 0.2278 | 0.2528 | 0.2785 | 0.3048 | 0.3319 | 0.3596 | 0.3879 | 0.4168 |
| 27 | 0.0826 | 0.1025 | 0.1236 | 0.1458 | 0.1690 | 0.1932 | 0.2183 | 0.2442 | 0.2709 | 0.2985 | 0.3267 | 0.3557 | 0.3854 | 0.4158 | 0.4468 |
| 28 | 0.0883 | 0.1096 | 0.1321 | 0.1559 | 0.1807 | 0.2065 | 0.2334 | 0.2611 | 0.2897 | 0.3191 | 0.3493 | 0.3803 | 0.4121 | 0.4445 | 0.4777 |
| 29 | 0.0942 | 0.1169 | 0.1410 | 0.1663 | 0.1927 | 0.2203 | 0.2489 | 0.2785 | 0.3090 | 0.3404 | 0.3726 | 0.4057 | 0.4396 | 0.4742 | 0.5096 |
| 30 | 0.1002 | 0.1244 | 0.1500 | 0.1770 | 0.2051 | 0.2345 | 0.2649 | 0.2964 | 0.3289 | 0.3623 | 0.3966 | 0.4318 | 0.4678 | 0.5047 | 0.5423 |
| 31 | 0.1064 | 0.1321 | 0.1593 | 0.1880 | 0.2179 | 0.2491 | 0.2814 | 0.3148 | 0.3493 | 0.3848 | 0.4212 | 0.4586 | 0.4969 | 0.5360 | 0.5760 |
| 32 | 0.1128 | 0.1401 | 0.1689 | 0.1993 | 0.2310 | 0.2640 | 0.2983 | 0.3337 | 0.3703 | 0.4079 | 0.4466 | 0.4862 | 0.5268 | 0.5683 | 0.6107 |
| 33 | 0.1194 | 0.1482 | 0.1788 | 0.2109 | 0.2444 | 0.2794 | 0.3157 | 0.3532 | 0.3919 | 0.4317 | 0.4726 | 0.5145 | 0.5574 | 0.6014 | 0.6462 |
| 34 | 0.1261 | 0.1566 | 0.1888 | 0.2228 | 0.2582 | 0.2952 | 0.3335 | 0.3731 | 0.4140 | 0.4560 | 0.4992 | 0.5435 | 0.5889 | 0.6353 | 0.6827 |
| 35 | 0.1331 | 0.1652 | 0.1992 | 0.2350 | 0.2724 | 0.3113 | 0.3517 | 0.3935 | 0.4366 | 0.4810 | 0.5266 | 0.5733 | 0.6211 | 0.6701 | 0.7201 |
| 36 | 0.1401 | 0.1739 | 0.2098 | 0.2475 | 0.2869 | 0.3279 | 0.3704 | 0.4145 | 0.4598 | 0.5066 | 0.5546 | 0.6038 | 0.6542 | 0.7057 | 0.7583 |
| 37 | 0.1474 | 0.1829 | 0.2206 | 0.2602 | 0.3017 | 0.3448 | 0.3896 | 0.4359 | 0.4836 | 0.5327 | 0.5832 | 0.6350 | 0.6880 | 0.7422 | 0.7973 |
| 38 | 0.1548 | 0.1921 | 0.2317 | 0.2733 | 0.3168 | 0.3622 | 0.4092 | 0.4578 | 0.5079 | 0.5595 | 0.6125 | 0.6669 | 0.7226 | 0.7795 | 0.8376 |
| 39 | 0.1623 | 0.2015 | 0.2430 | 0.2867 | 0.3323 | 0.3799 | 0.4292 | 0.4802 | 0.5328 | 0.5869 | 0.6425 | 0.6995 | 0.7579 | 0.8176 | 0.8786 |
| 40 | 0.1701 | 0.2111 | 0.2545 | 0.3004 | 0.3482 | 0.3980 | 0.4495 | 0.5031 | 0.5582 | 0.6149 | 0.6731 | 0.7329 | 0.7940 | 0.8566 | 0.9205 |

V=1.5607H³ ± 0.1% ± 0.1% ± 0.1%

H (m)

| | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 6 | 0.0301 | 0.0321 | 0.0342 | 0.0363 | 0.0384 | 0.0406 | 0.0428 | 0.0451 | 0.0473 | 0.0496 | 0.0520 | 0.0544 | 0.0568 | 0.0592 | 0.0616 |
| 7 | 0.0400 | 0.0427 | 0.0454 | 0.0482 | 0.0510 | 0.0539 | 0.0569 | 0.0598 | 0.0629 | 0.0659 | 0.0690 | 0.0722 | 0.0753 | 0.0786 | 0.0818 |
| 8 | 0.0511 | 0.0545 | 0.0581 | 0.0618 | 0.0653 | 0.0689 | 0.0727 | 0.0765 | 0.0804 | 0.0843 | 0.0882 | 0.0923 | 0.0963 | 0.1004 | 0.1046 |
| 9 | 0.0635 | 0.0677 | 0.0721 | 0.0765 | 0.0810 | 0.0856 | 0.0903 | 0.0950 | 0.0998 | 0.1046 | 0.1096 | 0.1146 | 0.1196 | 0.1247 | 0.1299 |
| 10 | 0.0770 | 0.0822 | 0.0875 | 0.0928 | 0.0984 | 0.1039 | 0.1095 | 0.1153 | 0.1211 | 0.1270 | 0.1330 | 0.1391 | 0.1452 | 0.1514 | 0.1577 |
| 11 | 0.0918 | 0.0980 | 0.1043 | 0.1107 | 0.1172 | 0.1238 | 0.1306 | 0.1374 | 0.1443 | 0.1514 | 0.1585 | 0.1657 | 0.1730 | 0.1804 | 0.1879 |
| 12 | 0.1077 | 0.1150 | 0.1224 | 0.1299 | 0.1375 | 0.1453 | 0.1532 | 0.1612 | 0.1694 | 0.1776 | 0.1860 | 0.1944 | 0.2030 | 0.2117 | 0.2205 |
| 13 | 0.1248 | 0.1332 | 0.1418 | 0.1505 | 0.1593 | 0.1684 | 0.1775 | 0.1868 | 0.1962 | 0.2058 | 0.2155 | 0.2253 | 0.2352 | 0.2453 | 0.2554 |
| 14 | 0.1430 | 0.1526 | 0.1625 | 0.1724 | 0.1825 | 0.1929 | 0.2034 | 0.2141 | 0.2249 | 0.2358 | 0.2469 | 0.2581 | 0.2693 | 0.2811 | 0.2927 |
| 15 | 0.1623 | 0.1733 | 0.1844 | 0.1958 | 0.2073 | 0.2190 | 0.2309 | 0.2430 | 0.2553 | 0.2677 | 0.2803 | 0.2931 | 0.3060 | 0.3191 | 0.3323 |
| 16 | 0.1828 | 0.1951 | 0.2077 | 0.2204 | 0.2334 | 0.2466 | 0.2600 | 0.2736 | 0.2875 | 0.3015 | 0.3156 | 0.3300 | 0.3446 | 0.3593 | 0.3742 |
| 17 | 0.2044 | 0.2181 | 0.2322 | 0.2464 | 0.2610 | 0.2757 | 0.2907 | 0.3059 | 0.3214 | 0.3370 | 0.3529 | 0.3689 | 0.3852 | 0.4017 | 0.4183 |
| 18 | 0.2270 | 0.2423 | 0.2579 | 0.2738 | 0.2899 | 0.3063 | 0.3229 | 0.3398 | 0.3570 | 0.3744 | 0.3920 | 0.4098 | 0.4279 | 0.4462 | 0.4647 |
| 19 | 0.2507 | 0.2676 | 0.2849 | 0.3024 | 0.3202 | 0.3383 | 0.3567 | 0.3753 | 0.3943 | 0.4135 | 0.4329 | 0.4527 | 0.4726 | 0.4928 | 0.5133 |
| 20 | 0.2753 | 0.2941 | 0.3130 | 0.3323 | 0.3519 | 0.3718 | 0.3920 | 0.4125 | 0.4333 | 0.4544 | 0.4758 | 0.4974 | 0.5194 | 0.5416 | 0.5640 |
| 21 | 0.3014 | 0.3217 | 0.3424 | 0.3635 | 0.3849 | 0.4067 | 0.4288 | 0.4512 | 0.4740 | 0.4970 | 0.5204 | 0.5441 | 0.5681 | 0.5924 | 0.6170 |
| 22 | 0.3283 | 0.3504 | 0.3730 | 0.3959 | 0.4193 | 0.4430 | 0.4670 | 0.4915 | 0.5163 | 0.5414 | 0.5669 | 0.5927 | 0.6189 | 0.6453 | 0.6721 |
| 23 | 0.3563 | 0.3803 | 0.4048 | 0.4297 | 0.4550 | 0.4807 | 0.5068 | 0.5334 | 0.5603 | 0.5875 | 0.6152 | 0.6432 | 0.6716 | 0.7003 | 0.7293 |
| 24 | 0.3853 | 0.4113 | 0.4377 | 0.4646 | 0.4920 | 0.5198 | 0.5481 | 0.5768 | 0.6059 | 0.6354 | 0.6653 | 0.6956 | 0.7262 | 0.7573 | 0.7887 |
| 25 | 0.4153 | 0.4433 | 0.4718 | 0.5009 | 0.5304 | 0.5604 | 0.5908 | 0.6217 | 0.6531 | 0.6849 | 0.7171 | 0.7498 | 0.7829 | 0.8163 | 0.8502 |
| 26 | 0.4464 | 0.4765 | 0.5071 | 0.5383 | 0.5700 | 0.6023 | 0.6350 | 0.6682 | 0.7019 | 0.7361 | 0.7708 | 0.8059 | 0.8414 | 0.8774 | 0.9138 |
| 27 | 0.4785 | 0.5107 | 0.5436 | 0.5770 | 0.6110 | 0.6455 | 0.6806 | 0.7163 | 0.7524 | 0.7890 | 0.8262 | 0.8638 | 0.9019 | 0.9404 | 0.9794 |
| 28 | 0.5115 | 0.5460 | 0.5812 | 0.6169 | 0.6533 | 0.6902 | 0.7277 | 0.7658 | 0.8044 | 0.8435 | 0.8833 | 0.9235 | 0.9642 | 1.0055 | 1.0472 |
| 29 | 0.5456 | 0.5824 | 0.6199 | 0.6580 | 0.6968 | 0.7362 | 0.7762 | 0.8168 | 0.8580 | 0.8998 | 0.9422 | 0.9851 | 1.0283 | 1.0725 | 1.1170 |
| 30 | 0.5807 | 0.6199 | 0.6598 | 0.7003 | 0.7416 | 0.7835 | 0.8261 | 0.8694 | 0.9132 | 0.9577 | 1.0028 | 1.0484 | 1.0947 | 1.1415 | 1.1888 |
| 31 | 0.6168 | 0.6584 | 0.7008 | 0.7439 | 0.7877 | 0.8323 | 0.8775 | 0.9234 | 0.9700 | 1.0172 | 1.0651 | 1.1136 | 1.1627 | 1.2124 | 1.2627 |
| 32 | 0.6539 | 0.6980 | 0.7429 | 0.7886 | 0.8351 | 0.8823 | 0.9302 | 0.9789 | 1.0283 | 1.0784 | 1.1291 | 1.1805 | 1.2326 | 1.2853 | 1.3386 |
| 33 | 0.6920 | 0.7386 | 0.7862 | 0.8345 | 0.8837 | 0.9336 | 0.9844 | 1.0359 | 1.0882 | 1.1412 | 1.1949 | 1.2493 | 1.3044 | 1.3601 | 1.4165 |
| 34 | 0.7310 | 0.7803 | 0.8305 | 0.8816 | 0.9335 | 0.9863 | 1.0399 | 1.0944 | 1.1495 | 1.2056 | 1.2623 | 1.3198 | 1.3786 | 1.4369 | 1.4965 |
| 35 | 0.7711 | 0.8230 | 0.8760 | 0.9299 | 0.9847 | 1.0403 | 1.0959 | 1.1523 | 1.2105 | 1.2716 | 1.3314 | 1.3920 | 1.4534 | 1.5156 | 1.5784 |
| 36 | 0.8121 | 0.8668 | 0.9226 | 0.9793 | 1.0370 | 1.0956 | 1.1552 | 1.2157 | 1.2770 | 1.3392 | 1.4022 | 1.4660 | 1.5307 | 1.5961 | 1.6624 |
| 37 | 0.8540 | 0.9116 | 0.9702 | 1.0299 | 1.0906 | 1.1523 | 1.2149 | 1.2785 | 1.3430 | 1.4084 | 1.4746 | 1.5418 | 1.6098 | 1.6786 | 1.7483 |
| 38 | 0.8969 | 0.9574 | 1.0190 | 1.0817 | 1.1454 | 1.2102 | 1.2760 | 1.3427 | 1.4105 | 1.4792 | 1.5488 | 1.6193 | 1.6907 | 1.7630 | 1.8361 |
| 39 | 0.9408 | 1.0042 | 1.0689 | 1.1346 | 1.2014 | 1.2694 | 1.3384 | 1.4084 | 1.4795 | 1.5515 | 1.6245 | 1.6985 | 1.7734 | 1.8492 | 1.9260 |
| 40 | 0.9857 | 1.0521 | 1.1198 | 1.1887 | 1.2587 | 1.3299 | 1.4022 | 1.4755 | 1.5500 | 1.6255 | 1.7020 | 1.7795 | 1.8579 | 1.9374 | 2.0178 |

3-4-2

Eucalyptus grandis (sin corteza)

| H (m) | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 6 | 0.0031 | 0.0040 | 0.0051 | 0.0052 | 0.0074 | 0.0087 | 0.0100 | 0.0115 | 0.0130 | 0.0146 | 0.0163 | 0.0180 | 0.0198 | 0.0217 | 0.0237 |
| 7 | 0.0041 | 0.0053 | 0.0067 | 0.0081 | 0.0114 | 0.0145 | 0.0182 | 0.0228 | 0.0285 | 0.0358 | 0.0444 | 0.0535 | 0.0627 | 0.0716 | 0.0804 |
| 8 | 0.0052 | 0.0068 | 0.0085 | 0.0104 | 0.0124 | 0.0145 | 0.0168 | 0.0192 | 0.0218 | 0.0245 | 0.0273 | 0.0302 | 0.0333 | 0.0364 | 0.0397 |
| 9 | 0.0065 | 0.0084 | 0.0105 | 0.0128 | 0.0153 | 0.0180 | 0.0208 | 0.0238 | 0.0269 | 0.0303 | 0.0337 | 0.0374 | 0.0411 | 0.0450 | 0.0491 |
| 10 | 0.0078 | 0.0101 | 0.0127 | 0.0155 | 0.0185 | 0.0217 | 0.0251 | 0.0287 | 0.0326 | 0.0366 | 0.0408 | 0.0451 | 0.0497 | 0.0544 | 0.0594 |
| 11 | 0.0093 | 0.0120 | 0.0151 | 0.0184 | 0.0219 | 0.0258 | 0.0298 | 0.0341 | 0.0386 | 0.0434 | 0.0484 | 0.0535 | 0.0590 | 0.0646 | 0.0704 |
| 12 | 0.0109 | 0.0141 | 0.0176 | 0.0215 | 0.0257 | 0.0301 | 0.0349 | 0.0398 | 0.0452 | 0.0508 | 0.0566 | 0.0627 | 0.0690 | 0.0756 | 0.0824 |
| 13 | 0.0125 | 0.0163 | 0.0203 | 0.0248 | 0.0296 | 0.0348 | 0.0403 | 0.0461 | 0.0522 | 0.0586 | 0.0653 | 0.0724 | 0.0797 | 0.0873 | 0.0951 |
| 14 | 0.0143 | 0.0186 | 0.0232 | 0.0283 | 0.0338 | 0.0397 | 0.0460 | 0.0526 | 0.0596 | 0.0670 | 0.0747 | 0.0827 | 0.0910 | 0.0997 | 0.1087 |
| 15 | 0.0162 | 0.0210 | 0.0261 | 0.0321 | 0.0383 | 0.0450 | 0.0521 | 0.0596 | 0.0675 | 0.0758 | 0.0845 | 0.0935 | 0.1031 | 0.1128 | 0.1231 |
| 16 | 0.0182 | 0.0236 | 0.0296 | 0.0360 | 0.0430 | 0.0505 | 0.0585 | 0.0669 | 0.0758 | 0.0852 | 0.0949 | 0.1051 | 0.1157 | 0.1268 | 0.1382 |
| 17 | 0.0203 | 0.0263 | 0.0330 | 0.0402 | 0.0480 | 0.0563 | 0.0652 | 0.0746 | 0.0846 | 0.0950 | 0.1059 | 0.1172 | 0.1291 | 0.1414 | 0.1541 |
| 18 | 0.0225 | 0.0292 | 0.0365 | 0.0445 | 0.0532 | 0.0624 | 0.0723 | 0.0827 | 0.0937 | 0.1052 | 0.1173 | 0.1299 | 0.1430 | 0.1567 | 0.1708 |
| 19 | 0.0248 | 0.0322 | 0.0403 | 0.0491 | 0.0586 | 0.0688 | 0.0797 | 0.0912 | 0.1033 | 0.1160 | 0.1293 | 0.1432 | 0.1577 | 0.1727 | 0.1882 |
| 20 | 0.0272 | 0.0353 | 0.0442 | 0.0538 | 0.0633 | 0.0735 | 0.0874 | 0.1000 | 0.1133 | 0.1272 | 0.1418 | 0.1570 | 0.1729 | 0.1894 | 0.2062 |
| 21 | 0.0297 | 0.0385 | 0.0482 | 0.0588 | 0.0702 | 0.0824 | 0.0954 | 0.1091 | 0.1236 | 0.1389 | 0.1548 | 0.1714 | 0.1887 | 0.2067 | 0.2254 |
| 22 | 0.0325 | 0.0419 | 0.0524 | 0.0639 | 0.0763 | 0.0896 | 0.1037 | 0.1187 | 0.1344 | 0.1510 | 0.1683 | 0.1864 | 0.2052 | 0.2248 | 0.2450 |
| 23 | 0.0350 | 0.0453 | 0.0568 | 0.0692 | 0.0826 | 0.0970 | 0.1123 | 0.1285 | 0.1456 | 0.1635 | 0.1823 | 0.2019 | 0.2223 | 0.2435 | 0.2654 |
| 24 | 0.0378 | 0.0489 | 0.0613 | 0.0747 | 0.0892 | 0.1047 | 0.1213 | 0.1388 | 0.1572 | 0.1766 | 0.1968 | 0.2180 | 0.2400 | 0.2628 | 0.2865 |
| 25 | 0.0406 | 0.0527 | 0.0660 | 0.0804 | 0.0950 | 0.1107 | 0.1305 | 0.1493 | 0.1692 | 0.1900 | 0.2118 | 0.2346 | 0.2583 | 0.2829 | 0.3084 |
| 26 | 0.0436 | 0.0565 | 0.0706 | 0.0863 | 0.1030 | 0.1210 | 0.1400 | 0.1602 | 0.1815 | 0.2039 | 0.2273 | 0.2517 | 0.2771 | 0.3035 | 0.3309 |
| 27 | 0.0467 | 0.0605 | 0.0757 | 0.0924 | 0.1103 | 0.1295 | 0.1499 | 0.1715 | 0.1943 | 0.2182 | 0.2432 | 0.2694 | 0.2966 | 0.3248 | 0.3541 |
| 28 | 0.0498 | 0.0646 | 0.0809 | 0.0986 | 0.1177 | 0.1382 | 0.1600 | 0.1831 | 0.2074 | 0.2330 | 0.2597 | 0.2876 | 0.3166 | 0.3468 | 0.3781 |
| 29 | 0.0531 | 0.0688 | 0.0851 | 0.1050 | 0.1254 | 0.1472 | 0.1704 | 0.1950 | 0.2209 | 0.2481 | 0.2766 | 0.3063 | 0.3373 | 0.3694 | 0.4027 |
| 30 | 0.0564 | 0.0731 | 0.0915 | 0.1116 | 0.1333 | 0.1563 | 0.1811 | 0.2073 | 0.2348 | 0.2637 | 0.2940 | 0.3256 | 0.3585 | 0.3926 | 0.4280 |
| 31 | 0.0598 | 0.0776 | 0.0971 | 0.1184 | 0.1414 | 0.1660 | 0.1921 | 0.2199 | 0.2491 | 0.2797 | 0.3118 | 0.3453 | 0.3802 | 0.4165 | 0.4540 |
| 32 | 0.0633 | 0.0821 | 0.1028 | 0.1254 | 0.1497 | 0.1757 | 0.2034 | 0.2328 | 0.2637 | 0.2952 | 0.3302 | 0.3656 | 0.4026 | 0.4409 | 0.4807 |
| 33 | 0.0670 | 0.0868 | 0.1087 | 0.1325 | 0.1582 | 0.1857 | 0.2150 | 0.2460 | 0.2787 | 0.3130 | 0.3490 | 0.3864 | 0.4255 | 0.4660 | 0.5080 |
| 34 | 0.0706 | 0.0916 | 0.1147 | 0.1398 | 0.1669 | 0.1960 | 0.2269 | 0.2596 | 0.2941 | 0.3303 | 0.3682 | 0.4078 | 0.4489 | 0.4917 | 0.5361 |
| 35 | 0.0744 | 0.0965 | 0.1208 | 0.1473 | 0.1758 | 0.2054 | 0.2390 | 0.2735 | 0.3098 | 0.3480 | 0.3879 | 0.4296 | 0.4730 | 0.5180 | 0.5647 |
| 36 | 0.0783 | 0.1015 | 0.1271 | 0.1549 | 0.1850 | 0.2172 | 0.2514 | 0.2877 | 0.3259 | 0.3661 | 0.4081 | 0.4519 | 0.4975 | 0.5449 | 0.5941 |
| 37 | 0.0822 | 0.1066 | 0.1335 | 0.1627 | 0.1943 | 0.2281 | 0.2641 | 0.3022 | 0.3424 | 0.3845 | 0.4287 | 0.4747 | 0.5227 | 0.5725 | 0.6241 |
| 38 | 0.0863 | 0.1118 | 0.1400 | 0.1707 | 0.2039 | 0.2394 | 0.2771 | 0.3171 | 0.3592 | 0.4034 | 0.4497 | 0.4980 | 0.5483 | 0.6005 | 0.6547 |
| 39 | 0.0904 | 0.1172 | 0.1467 | 0.1789 | 0.2136 | 0.2508 | 0.2904 | 0.3322 | 0.3764 | 0.4227 | 0.4712 | 0.5219 | 0.5746 | 0.6293 | 0.6861 |
| 40 | 0.0946 | 0.1227 | 0.1535 | 0.1872 | 0.2236 | 0.2625 | 0.3039 | 0.3477 | 0.3939 | 0.4424 | 0.4932 | 0.5462 | 0.6013 | 0.6586 | 0.7180 |

V = 5.098 ± 10 * D H^{1.48132}

→ H (m)

| | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 6 | 0.0257 | 0.0278 | 0.0300 | 0.0322 | 0.0345 | 0.0368 | 0.0393 | 0.0417 | 0.0443 | 0.0469 | 0.0495 | 0.0522 | 0.0550 | 0.0579 | 0.0608 |
| 7 | 0.0339 | 0.0367 | 0.0395 | 0.0425 | 0.0455 | 0.0486 | 0.0518 | 0.0551 | 0.0584 | 0.0618 | 0.0654 | 0.0689 | 0.0726 | 0.0763 | 0.0802 |
| 8 | 0.0431 | 0.0466 | 0.0503 | 0.0540 | 0.0578 | 0.0618 | 0.0658 | 0.0700 | 0.0743 | 0.0786 | 0.0831 | 0.0879 | 0.0923 | 0.0971 | 0.1019 |
| 9 | 0.0533 | 0.0577 | 0.0621 | 0.0667 | 0.0715 | 0.0764 | 0.0814 | 0.0865 | 0.0918 | 0.0972 | 0.1027 | 0.1083 | 0.1141 | 0.1200 | 0.1260 |
| 10 | 0.0644 | 0.0697 | 0.0751 | 0.0807 | 0.0864 | 0.0923 | 0.0984 | 0.1046 | 0.1109 | 0.1174 | 0.1241 | 0.1309 | 0.1379 | 0.1450 | 0.1522 |
| 11 | 0.0765 | 0.0827 | 0.0891 | 0.0958 | 0.1026 | 0.1096 | 0.1168 | 0.1241 | 0.1317 | 0.1394 | 0.1473 | 0.1554 | 0.1637 | 0.1721 | 0.1807 |
| 12 | 0.0894 | 0.0967 | 0.1042 | 0.1120 | 0.1199 | 0.1281 | 0.1365 | 0.1451 | 0.1540 | 0.1630 | 0.1723 | 0.1817 | 0.1914 | 0.2013 | 0.2113 |
| 13 | 0.1033 | 0.1117 | 0.1204 | 0.1293 | 0.1385 | 0.1480 | 0.1577 | 0.1676 | 0.1778 | 0.1883 | 0.1989 | 0.2099 | 0.2210 | 0.2324 | 0.2440 |
| 14 | 0.1180 | 0.1276 | 0.1375 | 0.1477 | 0.1583 | 0.1691 | 0.1801 | 0.1915 | 0.2032 | 0.2151 | 0.2273 | 0.2398 | 0.2525 | 0.2655 | 0.2788 |
| 15 | 0.1338 | 0.1445 | 0.1557 | 0.1673 | 0.1792 | 0.1914 | 0.2039 | 0.2168 | 0.2300 | 0.2435 | 0.2573 | 0.2715 | 0.2859 | 0.3006 | 0.3156 |
| 16 | 0.1500 | 0.1623 | 0.1749 | 0.1878 | 0.2012 | 0.2149 | 0.2290 | 0.2435 | 0.2583 | 0.2735 | 0.2890 | 0.3049 | 0.3211 | 0.3376 | 0.3545 |
| 17 | 0.1673 | 0.1809 | 0.1950 | 0.2095 | 0.2244 | 0.2397 | 0.2554 | 0.2715 | 0.2881 | 0.3050 | 0.3223 | 0.3400 | 0.3580 | 0.3765 | 0.3953 |
| 18 | 0.1854 | 0.2005 | 0.2161 | 0.2322 | 0.2487 | 0.2656 | 0.2831 | 0.3009 | 0.3192 | 0.3380 | 0.3572 | 0.3768 | 0.3968 | 0.4173 | 0.4381 |
| 19 | 0.2044 | 0.2210 | 0.2382 | 0.2559 | 0.2741 | 0.2928 | 0.3120 | 0.3317 | 0.3518 | 0.3725 | 0.3936 | 0.4153 | 0.4373 | 0.4599 | 0.4829 |
| 20 | 0.2241 | 0.2424 | 0.2612 | 0.2806 | 0.3005 | 0.3211 | 0.3421 | 0.3637 | 0.3858 | 0.4085 | 0.4317 | 0.4554 | 0.4796 | 0.5043 | 0.5295 |
| 21 | 0.2447 | 0.2646 | 0.2851 | 0.3063 | 0.3281 | 0.3505 | 0.3735 | 0.3971 | 0.4212 | 0.4460 | 0.4713 | 0.4971 | 0.5236 | 0.5505 | 0.5781 |
| 22 | 0.2660 | 0.2877 | 0.3100 | 0.3330 | 0.3567 | 0.3811 | 0.4061 | 0.4317 | 0.4580 | 0.4849 | 0.5124 | 0.5405 | 0.5692 | 0.5986 | 0.6285 |
| 23 | 0.2881 | 0.3116 | 0.3358 | 0.3608 | 0.3864 | 0.4128 | 0.4399 | 0.4676 | 0.4961 | 0.5252 | 0.5550 | 0.5855 | 0.6166 | 0.6484 | 0.6808 |
| 24 | 0.3111 | 0.3364 | 0.3625 | 0.3895 | 0.4172 | 0.4456 | 0.4749 | 0.5048 | 0.5356 | 0.5670 | 0.5992 | 0.6321 | 0.6657 | 0.7000 | 0.7350 |
| 25 | 0.3348 | 0.3620 | 0.3902 | 0.4191 | 0.4489 | 0.4796 | 0.5110 | 0.5433 | 0.5763 | 0.6102 | 0.6448 | 0.6802 | 0.7164 | 0.7533 | 0.7910 |
| 26 | 0.3592 | 0.3885 | 0.4187 | 0.4498 | 0.4817 | 0.5146 | 0.5484 | 0.5830 | 0.6185 | 0.6548 | 0.6919 | 0.7299 | 0.7687 | 0.8083 | 0.8488 |
| 27 | 0.3844 | 0.4158 | 0.4481 | 0.4813 | 0.5156 | 0.5508 | 0.5869 | 0.6239 | 0.6619 | 0.7008 | 0.7405 | 0.7812 | 0.8227 | 0.8651 | 0.9084 |
| 28 | 0.4104 | 0.4439 | 0.4783 | 0.5139 | 0.5504 | 0.5880 | 0.6265 | 0.6661 | 0.7066 | 0.7481 | 0.7906 | 0.8340 | 0.8783 | 0.9236 | 0.9698 |
| 29 | 0.4372 | 0.4728 | 0.5095 | 0.5473 | 0.5863 | 0.6263 | 0.6674 | 0.7095 | 0.7527 | 0.7969 | 0.8421 | 0.8883 | 0.9355 | 0.9837 | 1.0329 |
| 30 | 0.4646 | 0.5023 | 0.5415 | 0.5817 | 0.6231 | 0.6657 | 0.7093 | 0.7541 | 0.8000 | 0.8470 | 0.8950 | 0.9441 | 0.9943 | 1.0456 | 1.0979 |
| 31 | 0.4929 | 0.5330 | 0.5744 | 0.6171 | 0.6610 | 0.7061 | 0.7524 | 0.7999 | 0.8486 | 0.8984 | 0.9494 | 1.0015 | 1.0547 | 1.1091 | 1.1645 |
| 32 | 0.5218 | 0.5643 | 0.6082 | 0.6533 | 0.6998 | 0.7476 | 0.7966 | 0.8469 | 0.8984 | 0.9512 | 1.0052 | 1.0603 | 1.1167 | 1.1742 | 1.2330 |
| 33 | 0.5515 | 0.5964 | 0.6428 | 0.6905 | 0.7396 | 0.7901 | 0.8419 | 0.8951 | 0.9495 | 1.0053 | 1.0623 | 1.1207 | 1.1802 | 1.2411 | 1.3031 |
| 34 | 0.5819 | 0.6293 | 0.6782 | 0.7286 | 0.7804 | 0.8337 | 0.8884 | 0.9444 | 1.0019 | 1.0607 | 1.1209 | 1.1825 | 1.2453 | 1.3095 | 1.3750 |
| 35 | 0.6131 | 0.6630 | 0.7145 | 0.7676 | 0.8222 | 0.8783 | 0.9359 | 0.9950 | 1.0555 | 1.1175 | 1.1809 | 1.2457 | 1.3120 | 1.3798 | 1.4486 |
| 36 | 0.6449 | 0.6975 | 0.7517 | 0.8075 | 0.8649 | 0.9239 | 0.9845 | 1.0467 | 1.1104 | 1.1756 | 1.2423 | 1.3105 | 1.3801 | 1.4513 | 1.5238 |
| 37 | 0.6775 | 0.7327 | 0.7896 | 0.8483 | 0.9086 | 0.9706 | 1.0343 | 1.0995 | 1.1665 | 1.2350 | 1.3050 | 1.3767 | 1.4499 | 1.5246 | 1.6008 |
| 38 | 0.7108 | 0.7687 | 0.8284 | 0.8899 | 0.9532 | 1.0183 | 1.0851 | 1.1535 | 1.2238 | 1.2956 | 1.3689 | 1.4443 | 1.5211 | 1.5995 | 1.6794 |
| 39 | 0.7448 | 0.8034 | 0.8680 | 0.9325 | 0.9988 | 1.0670 | 1.1370 | 1.2087 | 1.2823 | 1.3576 | 1.4346 | 1.5134 | 1.5938 | 1.6760 | 1.7598 |
| 40 | 0.7795 | 0.8430 | 0.9085 | 0.9759 | 1.0453 | 1.1167 | 1.1899 | 1.2650 | 1.3420 | 1.4208 | 1.5014 | 1.5839 | 1.6681 | 1.7540 | 1.8417 |

Eucalyptus globulus (con corteza)

| H (m) | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 6 | 0.0061 | 0.0071 | 0.0081 | 0.0092 | 0.0102 | 0.0112 | 0.0122 | 0.0132 | 0.0142 | 0.0152 | 0.0162 | 0.0172 | 0.0182 | 0.0192 | 0.0202 |
| 7 | 0.0084 | 0.0098 | 0.0112 | 0.0126 | 0.0140 | 0.0154 | 0.0168 | 0.0182 | 0.0195 | 0.0209 | 0.0223 | 0.0237 | 0.0250 | 0.0264 | 0.0278 |
| 8 | 0.0112 | 0.0130 | 0.0148 | 0.0167 | 0.0185 | 0.0203 | 0.0221 | 0.0240 | 0.0258 | 0.0276 | 0.0294 | 0.0313 | 0.0331 | 0.0349 | 0.0367 |
| 9 | 0.0143 | 0.0166 | 0.0189 | 0.0213 | 0.0236 | 0.0260 | 0.0283 | 0.0306 | 0.0330 | 0.0353 | 0.0376 | 0.0399 | 0.0423 | 0.0446 | 0.0469 |
| 10 | 0.0178 | 0.0207 | 0.0236 | 0.0265 | 0.0294 | 0.0323 | 0.0352 | 0.0381 | 0.0410 | 0.0439 | 0.0468 | 0.0497 | 0.0526 | 0.0555 | 0.0584 |
| 11 | 0.0217 | 0.0252 | 0.0288 | 0.0323 | 0.0359 | 0.0394 | 0.0430 | 0.0465 | 0.0501 | 0.0536 | 0.0571 | 0.0607 | 0.0642 | 0.0677 | 0.0712 |
| 12 | 0.0260 | 0.0302 | 0.0345 | 0.0388 | 0.0430 | 0.0473 | 0.0515 | 0.0558 | 0.0600 | 0.0642 | 0.0685 | 0.0727 | 0.0769 | 0.0812 | 0.0854 |
| 13 | 0.0307 | 0.0357 | 0.0408 | 0.0458 | 0.0508 | 0.0558 | 0.0609 | 0.0659 | 0.0709 | 0.0759 | 0.0809 | 0.0859 | 0.0909 | 0.0959 | 0.1009 |
| 14 | 0.0358 | 0.0417 | 0.0475 | 0.0534 | 0.0593 | 0.0652 | 0.0710 | 0.0769 | 0.0827 | 0.0885 | 0.0944 | 0.1002 | 0.1060 | 0.1119 | 0.1177 |
| 15 | 0.0413 | 0.0481 | 0.0549 | 0.0617 | 0.0685 | 0.0752 | 0.0820 | 0.0887 | 0.0955 | 0.1022 | 0.1090 | 0.1157 | 0.1224 | 0.1292 | 0.1359 |
| 16 | 0.0472 | 0.0550 | 0.0628 | 0.0705 | 0.0783 | 0.0860 | 0.0938 | 0.1015 | 0.1092 | 0.1169 | 0.1246 | 0.1323 | 0.1400 | 0.1477 | 0.1554 |
| 17 | 0.0536 | 0.0624 | 0.0712 | 0.0800 | 0.0888 | 0.0976 | 0.1064 | 0.1152 | 0.1239 | 0.1327 | 0.1414 | 0.1501 | 0.1589 | 0.1676 | 0.1763 |
| 18 | 0.0604 | 0.0703 | 0.0802 | 0.0902 | 0.1001 | 0.1100 | 0.1198 | 0.1297 | 0.1395 | 0.1494 | 0.1593 | 0.1691 | 0.1790 | 0.1888 | 0.1986 |
| 19 | 0.0676 | 0.0787 | 0.0898 | 0.1009 | 0.1120 | 0.1231 | 0.1341 | 0.1452 | 0.1562 | 0.1672 | 0.1783 | 0.1893 | 0.2003 | 0.2113 | 0.2223 |
| 20 | 0.0752 | 0.0876 | 0.0999 | 0.1123 | 0.1246 | 0.1369 | 0.1492 | 0.1615 | 0.1738 | 0.1861 | 0.1984 | 0.2106 | 0.2229 | 0.2351 | 0.2473 |
| 21 | 0.0832 | 0.0969 | 0.1106 | 0.1243 | 0.1379 | 0.1516 | 0.1652 | 0.1788 | 0.1924 | 0.2060 | 0.2195 | 0.2331 | 0.2467 | 0.2602 | 0.2738 |
| 22 | 0.0917 | 0.1058 | 0.1219 | 0.1369 | 0.1520 | 0.1670 | 0.1820 | 0.1970 | 0.2120 | 0.2269 | 0.2419 | 0.2568 | 0.2718 | 0.2867 | 0.3016 |
| 23 | 0.1006 | 0.1171 | 0.1337 | 0.1502 | 0.1667 | 0.1832 | 0.1996 | 0.2161 | 0.2325 | 0.2489 | 0.2653 | 0.2817 | 0.2981 | 0.3145 | 0.3309 |
| 24 | 0.1099 | 0.1280 | 0.1461 | 0.1641 | 0.1821 | 0.2001 | 0.2181 | 0.2361 | 0.2541 | 0.2720 | 0.2899 | 0.3079 | 0.3258 | 0.3437 | 0.3615 |
| 25 | 0.1196 | 0.1393 | 0.1590 | 0.1787 | 0.1983 | 0.2179 | 0.2375 | 0.2571 | 0.2766 | 0.2961 | 0.3157 | 0.3352 | 0.3547 | 0.3741 | 0.3936 |
| 26 | 0.1298 | 0.1512 | 0.1726 | 0.1939 | 0.2152 | 0.2364 | 0.2577 | 0.2789 | 0.3001 | 0.3213 | 0.3425 | 0.3637 | 0.3848 | 0.4060 | 0.4271 |
| 27 | 0.1404 | 0.1636 | 0.1867 | 0.2097 | 0.2328 | 0.2558 | 0.2788 | 0.3017 | 0.3247 | 0.3476 | 0.3705 | 0.3934 | 0.4163 | 0.4392 | 0.4620 |
| 28 | 0.1515 | 0.1764 | 0.2013 | 0.2262 | 0.2511 | 0.2759 | 0.3007 | 0.3255 | 0.3502 | 0.3749 | 0.3997 | 0.4244 | 0.4490 | 0.4737 | 0.4984 |
| 29 | 0.1630 | 0.1898 | 0.2166 | 0.2434 | 0.2701 | 0.2968 | 0.3235 | 0.3501 | 0.3768 | 0.4034 | 0.4300 | 0.4565 | 0.4831 | 0.5096 | 0.5361 |
| 30 | 0.1749 | 0.2037 | 0.2324 | 0.2612 | 0.2899 | 0.3185 | 0.3471 | 0.3757 | 0.4043 | 0.4329 | 0.4614 | 0.4899 | 0.5184 | 0.5469 | 0.5754 |
| 31 | 0.1872 | 0.2181 | 0.2489 | 0.2796 | 0.3103 | 0.3410 | 0.3717 | 0.4023 | 0.4329 | 0.4635 | 0.4940 | 0.5245 | 0.5551 | 0.5855 | 0.6160 |
| 32 | 0.2000 | 0.2330 | 0.2659 | 0.2987 | 0.3315 | 0.3643 | 0.3971 | 0.4298 | 0.4625 | 0.4951 | 0.5278 | 0.5604 | 0.5930 | 0.6256 | 0.6581 |
| 33 | 0.2133 | 0.2484 | 0.2835 | 0.3185 | 0.3535 | 0.3884 | 0.4233 | 0.4582 | 0.4931 | 0.5279 | 0.5627 | 0.5975 | 0.6322 | 0.6670 | 0.7017 |
| 34 | 0.2269 | 0.2643 | 0.3017 | 0.3389 | 0.3762 | 0.4133 | 0.4503 | 0.4876 | 0.5247 | 0.5617 | 0.5988 | 0.6358 | 0.6728 | 0.7097 | 0.7467 |
| 35 | 0.2411 | 0.2808 | 0.3204 | 0.3600 | 0.3995 | 0.4391 | 0.4785 | 0.5179 | 0.5573 | 0.5967 | 0.6360 | 0.6753 | 0.7146 | 0.7539 | 0.7931 |
| 36 | 0.2556 | 0.2977 | 0.3398 | 0.3813 | 0.4237 | 0.4655 | 0.5074 | 0.5492 | 0.5910 | 0.6327 | 0.6745 | 0.7161 | 0.7578 | 0.7994 | 0.8410 |
| 37 | 0.2706 | 0.3152 | 0.3597 | 0.4042 | 0.4486 | 0.4929 | 0.5372 | 0.5815 | 0.6257 | 0.6699 | 0.7141 | 0.7582 | 0.8023 | 0.8464 | 0.8904 |
| 38 | 0.2861 | 0.3332 | 0.3803 | 0.4273 | 0.4742 | 0.5211 | 0.5679 | 0.6147 | 0.6614 | 0.7081 | 0.7548 | 0.8015 | 0.8481 | 0.8947 | 0.9412 |
| 39 | 0.3020 | 0.3517 | 0.4014 | 0.4510 | 0.5005 | 0.5500 | 0.5995 | 0.6488 | 0.6982 | 0.7475 | 0.7968 | 0.8460 | 0.8952 | 0.9444 | 0.9936 |
| 40 | 0.3183 | 0.3708 | 0.4231 | 0.4754 | 0.5276 | 0.5798 | 0.6319 | 0.6839 | 0.7360 | 0.7880 | 0.8399 | 0.8918 | 0.9437 | 0.9955 | 1.0473 |

V = 2.4871 * 10³ * D^{2.08217} * H^{0.88513}

→ H (m)

↓ DBH (cm)

| | | | | | | | | | | | | | | | |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 6 | 0.0712 | 0.0222 | 0.0232 | 0.0241 | 0.0251 | 0.0261 | 0.0271 | 0.0281 | 0.0291 | 0.0301 | 0.0311 | 0.0321 | 0.0331 | 0.0341 | 0.0351 |
| 7 | 0.0392 | 0.0305 | 0.0319 | 0.0333 | 0.0347 | 0.0360 | 0.0374 | 0.0388 | 0.0401 | 0.0415 | 0.0429 | 0.0442 | 0.0456 | 0.0470 | 0.0483 |
| 8 | 0.0385 | 0.0403 | 0.0421 | 0.0440 | 0.0458 | 0.0476 | 0.0494 | 0.0512 | 0.0530 | 0.0548 | 0.0566 | 0.0584 | 0.0602 | 0.0620 | 0.0638 |
| 9 | 0.0492 | 0.0515 | 0.0539 | 0.0563 | 0.0585 | 0.0608 | 0.0631 | 0.0654 | 0.0677 | 0.0700 | 0.0724 | 0.0747 | 0.0770 | 0.0793 | 0.0816 |
| 10 | 0.0613 | 0.0642 | 0.0671 | 0.0700 | 0.0728 | 0.0757 | 0.0786 | 0.0815 | 0.0844 | 0.0872 | 0.0901 | 0.0930 | 0.0959 | 0.0987 | 0.1016 |
| 11 | 0.0748 | 0.0783 | 0.0818 | 0.0853 | 0.0888 | 0.0923 | 0.0959 | 0.0994 | 0.1029 | 0.1064 | 0.1099 | 0.1134 | 0.1169 | 0.1204 | 0.1239 |
| 12 | 0.0956 | 0.0998 | 0.0980 | 0.1023 | 0.1065 | 0.1107 | 0.1149 | 0.1191 | 0.1233 | 0.1275 | 0.1317 | 0.1359 | 0.1401 | 0.1443 | 0.1485 |
| 13 | 0.1059 | 0.1108 | 0.1158 | 0.1208 | 0.1258 | 0.1308 | 0.1357 | 0.1407 | 0.1457 | 0.1506 | 0.1556 | 0.1606 | 0.1655 | 0.1705 | 0.1754 |
| 14 | 0.1235 | 0.1293 | 0.1351 | 0.1410 | 0.1468 | 0.1526 | 0.1584 | 0.1642 | 0.1700 | 0.1758 | 0.1816 | 0.1874 | 0.1931 | 0.1989 | 0.2047 |
| 15 | 0.1426 | 0.1493 | 0.1560 | 0.1627 | 0.1694 | 0.1761 | 0.1828 | 0.1895 | 0.1962 | 0.2029 | 0.2096 | 0.2163 | 0.2230 | 0.2297 | 0.2363 |
| 16 | 0.1531 | 0.1708 | 0.1785 | 0.1851 | 0.1938 | 0.2015 | 0.2091 | 0.2168 | 0.2245 | 0.2321 | 0.2398 | 0.2474 | 0.2551 | 0.2627 | 0.2703 |
| 17 | 0.1850 | 0.1938 | 0.2025 | 0.2112 | 0.2199 | 0.2286 | 0.2373 | 0.2459 | 0.2546 | 0.2633 | 0.2720 | 0.2807 | 0.2894 | 0.2980 | 0.3067 |
| 18 | 0.2084 | 0.2183 | 0.2281 | 0.2379 | 0.2477 | 0.2575 | 0.2673 | 0.2770 | 0.2868 | 0.2966 | 0.3064 | 0.3162 | 0.3259 | 0.3357 | 0.3455 |
| 19 | 0.2333 | 0.2443 | 0.2552 | 0.2662 | 0.2772 | 0.2881 | 0.2991 | 0.3101 | 0.3210 | 0.3320 | 0.3429 | 0.3538 | 0.3648 | 0.3757 | 0.3866 |
| 20 | 0.2596 | 0.2718 | 0.2840 | 0.2962 | 0.3084 | 0.3206 | 0.3328 | 0.3450 | 0.3572 | 0.3694 | 0.3816 | 0.3937 | 0.4059 | 0.4181 | 0.4302 |
| 21 | 0.2873 | 0.3009 | 0.3144 | 0.3279 | 0.3414 | 0.3549 | 0.3684 | 0.3819 | 0.3954 | 0.4089 | 0.4223 | 0.4358 | 0.4493 | 0.4628 | 0.4762 |
| 22 | 0.3165 | 0.3315 | 0.3463 | 0.3612 | 0.3761 | 0.3910 | 0.4059 | 0.4207 | 0.4356 | 0.4505 | 0.4653 | 0.4802 | 0.4950 | 0.5098 | 0.5247 |
| 23 | 0.3472 | 0.3656 | 0.3799 | 0.3963 | 0.4126 | 0.4289 | 0.4452 | 0.4615 | 0.4778 | 0.4941 | 0.5104 | 0.5267 | 0.5430 | 0.5593 | 0.5755 |
| 24 | 0.3794 | 0.3973 | 0.4151 | 0.4330 | 0.4508 | 0.4687 | 0.4865 | 0.5043 | 0.5221 | 0.5399 | 0.5577 | 0.5755 | 0.5933 | 0.6111 | 0.6289 |
| 25 | 0.4131 | 0.4325 | 0.4520 | 0.4714 | 0.4908 | 0.5102 | 0.5297 | 0.5491 | 0.5684 | 0.5878 | 0.6072 | 0.6266 | 0.6459 | 0.6653 | 0.6847 |
| 26 | 0.4482 | 0.4693 | 0.4904 | 0.5115 | 0.5326 | 0.5537 | 0.5747 | 0.5958 | 0.6168 | 0.6378 | 0.6589 | 0.6799 | 0.7009 | 0.7219 | 0.7429 |
| 27 | 0.4849 | 0.5077 | 0.5305 | 0.5533 | 0.5761 | 0.5989 | 0.6217 | 0.6445 | 0.6672 | 0.6900 | 0.7127 | 0.7355 | 0.7582 | 0.7809 | 0.8036 |
| 28 | 0.5230 | 0.5476 | 0.5723 | 0.5969 | 0.6215 | 0.6460 | 0.6706 | 0.6952 | 0.7197 | 0.7443 | 0.7688 | 0.7933 | 0.8178 | 0.8424 | 0.8669 |
| 29 | 0.5627 | 0.5892 | 0.6158 | 0.6421 | 0.6685 | 0.6950 | 0.7214 | 0.7479 | 0.7743 | 0.8007 | 0.8271 | 0.8535 | 0.8798 | 0.9062 | 0.9326 |
| 30 | 0.6038 | 0.6322 | 0.6607 | 0.6891 | 0.7175 | 0.7458 | 0.7742 | 0.8026 | 0.8309 | 0.8592 | 0.8876 | 0.9159 | 0.9442 | 0.9725 | 1.0008 |
| 31 | 0.6465 | 0.6769 | 0.7073 | 0.7378 | 0.7682 | 0.7985 | 0.8289 | 0.8593 | 0.8896 | 0.9200 | 0.9503 | 0.9806 | 1.0109 | 1.0412 | 1.0715 |
| 32 | 0.6907 | 0.7232 | 0.7557 | 0.7882 | 0.8207 | 0.8531 | 0.8856 | 0.9180 | 0.9504 | 0.9828 | 1.0152 | 1.0476 | 1.0800 | 1.1124 | 1.1447 |
| 33 | 0.7364 | 0.7710 | 0.8057 | 0.8403 | 0.8750 | 0.9096 | 0.9442 | 0.9787 | 1.0133 | 1.0479 | 1.0824 | 1.1169 | 1.1515 | 1.1860 | 1.2205 |
| 34 | 0.7836 | 0.8205 | 0.8574 | 0.8942 | 0.9311 | 0.9679 | 1.0047 | 1.0415 | 1.0783 | 1.1151 | 1.1518 | 1.1886 | 1.2253 | 1.2620 | 1.2987 |
| 35 | 0.8323 | 0.8715 | 0.9107 | 0.9499 | 0.9890 | 1.0281 | 1.0672 | 1.1063 | 1.1454 | 1.1844 | 1.2235 | 1.2625 | 1.3015 | 1.3405 | 1.3795 |
| 36 | 0.8826 | 0.9242 | 0.9657 | 1.0072 | 1.0487 | 1.0902 | 1.1317 | 1.1731 | 1.2146 | 1.2560 | 1.2974 | 1.3388 | 1.3802 | 1.4215 | 1.4629 |
| 37 | 0.9344 | 0.9784 | 1.0224 | 1.0664 | 1.1103 | 1.1542 | 1.1981 | 1.2420 | 1.2859 | 1.3297 | 1.3736 | 1.4174 | 1.4612 | 1.5050 | 1.5488 |
| 38 | 0.9878 | 1.0343 | 1.0808 | 1.1273 | 1.1737 | 1.2201 | 1.2665 | 1.3129 | 1.3593 | 1.4057 | 1.4520 | 1.4983 | 1.5446 | 1.5909 | 1.6372 |
| 39 | 1.0427 | 1.0918 | 1.1409 | 1.1899 | 1.2389 | 1.2879 | 1.3369 | 1.3859 | 1.4348 | 1.4838 | 1.5327 | 1.5816 | 1.6305 | 1.6793 | 1.7282 |
| 40 | 1.0991 | 1.1509 | 1.2026 | 1.2543 | 1.3060 | 1.3577 | 1.4093 | 1.4609 | 1.5125 | 1.5641 | 1.6157 | 1.6672 | 1.7187 | 1.7702 | 1.8217 |

Eucalyptus globulus (sin corteza)

H (m)

| | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 5 | 0.0847 | 0.0053 | 0.0058 | 0.0064 | 0.0069 | 0.0074 | 0.0079 | 0.0084 | 0.0089 | 0.0094 | 0.0098 | 0.0103 | 0.0108 | 0.0112 | 0.0116 |
| 7 | 0.0068 | 0.0076 | 0.0084 | 0.0092 | 0.0099 | 0.0107 | 0.0114 | 0.0121 | 0.0128 | 0.0135 | 0.0141 | 0.0148 | 0.0154 | 0.0161 | 0.0167 |
| 8 | 0.0092 | 0.0104 | 0.0115 | 0.0125 | 0.0136 | 0.0146 | 0.0156 | 0.0165 | 0.0175 | 0.0184 | 0.0193 | 0.0202 | 0.0211 | 0.0220 | 0.0229 |
| 9 | 0.0122 | 0.0137 | 0.0151 | 0.0165 | 0.0179 | 0.0192 | 0.0205 | 0.0218 | 0.0231 | 0.0243 | 0.0255 | 0.0267 | 0.0279 | 0.0290 | 0.0302 |
| 10 | 0.0156 | 0.0175 | 0.0194 | 0.0212 | 0.0229 | 0.0246 | 0.0263 | 0.0279 | 0.0295 | 0.0311 | 0.0327 | 0.0342 | 0.0357 | 0.0372 | 0.0386 |
| 11 | 0.0195 | 0.0219 | 0.0243 | 0.0265 | 0.0287 | 0.0308 | 0.0329 | 0.0350 | 0.0370 | 0.0389 | 0.0409 | 0.0428 | 0.0447 | 0.0465 | 0.0483 |
| 12 | 0.0240 | 0.0269 | 0.0298 | 0.0325 | 0.0352 | 0.0378 | 0.0404 | 0.0429 | 0.0453 | 0.0478 | 0.0501 | 0.0523 | 0.0548 | 0.0571 | 0.0593 |
| 13 | 0.0289 | 0.0325 | 0.0359 | 0.0392 | 0.0425 | 0.0456 | 0.0487 | 0.0518 | 0.0547 | 0.0576 | 0.0605 | 0.0633 | 0.0661 | 0.0689 | 0.0716 |
| 14 | 0.0344 | 0.0387 | 0.0427 | 0.0467 | 0.0506 | 0.0543 | 0.0580 | 0.0616 | 0.0651 | 0.0686 | 0.0720 | 0.0754 | 0.0787 | 0.0820 | 0.0852 |
| 15 | 0.0405 | 0.0453 | 0.0502 | 0.0549 | 0.0595 | 0.0639 | 0.0682 | 0.0724 | 0.0766 | 0.0807 | 0.0847 | 0.0886 | 0.0925 | 0.0964 | 0.1002 |
| 16 | 0.0471 | 0.0529 | 0.0585 | 0.0639 | 0.0692 | 0.0743 | 0.0794 | 0.0843 | 0.0891 | 0.0939 | 0.0986 | 0.1032 | 0.1077 | 0.1122 | 0.1166 |
| 17 | 0.0543 | 0.0610 | 0.0674 | 0.0737 | 0.0798 | 0.0857 | 0.0915 | 0.0972 | 0.1028 | 0.1083 | 0.1136 | 0.1190 | 0.1242 | 0.1293 | 0.1344 |
| 18 | 0.0621 | 0.0698 | 0.0771 | 0.0843 | 0.0912 | 0.0980 | 0.1047 | 0.1112 | 0.1175 | 0.1238 | 0.1300 | 0.1360 | 0.1420 | 0.1479 | 0.1538 |
| 19 | 0.0705 | 0.0792 | 0.0876 | 0.0957 | 0.1036 | 0.1113 | 0.1188 | 0.1262 | 0.1335 | 0.1406 | 0.1476 | 0.1545 | 0.1613 | 0.1680 | 0.1746 |
| 20 | 0.0796 | 0.0894 | 0.0988 | 0.1080 | 0.1169 | 0.1256 | 0.1341 | 0.1424 | 0.1506 | 0.1586 | 0.1665 | 0.1743 | 0.1819 | 0.1895 | 0.1969 |
| 21 | 0.0892 | 0.1002 | 0.1108 | 0.1211 | 0.1311 | 0.1408 | 0.1503 | 0.1597 | 0.1688 | 0.1778 | 0.1867 | 0.1954 | 0.2040 | 0.2125 | 0.2208 |
| 22 | 0.0995 | 0.1118 | 0.1236 | 0.1351 | 0.1462 | 0.1571 | 0.1677 | 0.1781 | 0.1883 | 0.1984 | 0.2083 | 0.2180 | 0.2276 | 0.2370 | 0.2463 |
| 23 | 0.1105 | 0.1241 | 0.1372 | 0.1499 | 0.1623 | 0.1744 | 0.1862 | 0.1977 | 0.2091 | 0.2202 | 0.2312 | 0.2420 | 0.2526 | 0.2631 | 0.2735 |
| 24 | 0.1221 | 0.1371 | 0.1516 | 0.1657 | 0.1794 | 0.1927 | 0.2057 | 0.2185 | 0.2311 | 0.2434 | 0.2555 | 0.2674 | 0.2792 | 0.2908 | 0.3022 |
| 25 | 0.1344 | 0.1509 | 0.1669 | 0.1824 | 0.1974 | 0.2121 | 0.2255 | 0.2405 | 0.2543 | 0.2679 | 0.2812 | 0.2943 | 0.3073 | 0.3200 | 0.3326 |
| 26 | 0.1474 | 0.1655 | 0.1830 | 0.2000 | 0.2165 | 0.2326 | 0.2483 | 0.2637 | 0.2789 | 0.2937 | 0.3083 | 0.3227 | 0.3369 | 0.3509 | 0.3647 |
| 27 | 0.1610 | 0.1808 | 0.2000 | 0.2185 | 0.2365 | 0.2541 | 0.2713 | 0.2882 | 0.3047 | 0.3210 | 0.3369 | 0.3527 | 0.3682 | 0.3835 | 0.3986 |
| 28 | 0.1754 | 0.1970 | 0.2178 | 0.2380 | 0.2576 | 0.2768 | 0.2955 | 0.3139 | 0.3319 | 0.3496 | 0.3670 | 0.3841 | 0.4010 | 0.4177 | 0.4341 |
| 29 | 0.1905 | 0.2139 | 0.2365 | 0.2584 | 0.2798 | 0.3006 | 0.3209 | 0.3409 | 0.3604 | 0.3796 | 0.3985 | 0.4171 | 0.4355 | 0.4536 | 0.4714 |
| 30 | 0.2062 | 0.2316 | 0.2551 | 0.2793 | 0.3030 | 0.3255 | 0.3475 | 0.3691 | 0.3903 | 0.4111 | 0.4316 | 0.4517 | 0.4715 | 0.4912 | 0.5105 |
| 31 | 0.2228 | 0.2502 | 0.2766 | 0.3023 | 0.3272 | 0.3516 | 0.3754 | 0.3987 | 0.4215 | 0.4440 | 0.4661 | 0.4879 | 0.5093 | 0.5305 | 0.5514 |
| 32 | 0.2400 | 0.2695 | 0.2980 | 0.3257 | 0.3526 | 0.3788 | 0.4044 | 0.4295 | 0.4542 | 0.4784 | 0.5022 | 0.5257 | 0.5488 | 0.5716 | 0.5941 |
| 33 | 0.2580 | 0.2898 | 0.3204 | 0.3501 | 0.3790 | 0.4072 | 0.4347 | 0.4617 | 0.4882 | 0.5143 | 0.5399 | 0.5651 | 0.5899 | 0.6144 | 0.6386 |
| 34 | 0.2768 | 0.3108 | 0.3437 | 0.3755 | 0.4065 | 0.4368 | 0.4663 | 0.4953 | 0.5237 | 0.5516 | 0.5791 | 0.6061 | 0.6328 | 0.6591 | 0.6850 |
| 35 | 0.2953 | 0.3327 | 0.3679 | 0.4020 | 0.4352 | 0.4675 | 0.4997 | 0.5302 | 0.5606 | 0.5905 | 0.6199 | 0.6488 | 0.6774 | 0.7055 | 0.7333 |
| 36 | 0.3155 | 0.3555 | 0.3931 | 0.4295 | 0.4649 | 0.4995 | 0.5333 | 0.5665 | 0.5990 | 0.6309 | 0.6623 | 0.6932 | 0.7237 | 0.7538 | 0.7834 |
| 37 | 0.3376 | 0.3791 | 0.4192 | 0.4581 | 0.4959 | 0.5327 | 0.5688 | 0.6041 | 0.6388 | 0.6728 | 0.7063 | 0.7393 | 0.7718 | 0.8039 | 0.8355 |
| 38 | 0.3594 | 0.4036 | 0.4463 | 0.4877 | 0.5279 | 0.5672 | 0.6055 | 0.6432 | 0.6801 | 0.7163 | 0.7520 | 0.7871 | 0.8217 | 0.8559 | 0.8895 |
| 39 | 0.3820 | 0.4290 | 0.4744 | 0.5184 | 0.5611 | 0.6029 | 0.6437 | 0.6837 | 0.7229 | 0.7614 | 0.7993 | 0.8366 | 0.8734 | 0.9097 | 0.9455 |
| 40 | 0.4054 | 0.4553 | 0.5034 | 0.5501 | 0.5955 | 0.6398 | 0.6831 | 0.7256 | 0.7672 | 0.8081 | 0.8483 | 0.8879 | 0.9269 | 0.9655 | 1.0035 |

V=1.8136*H¹⁰ * D^{2.1423} * H^{0.7523}

H (m)
DBH (cm)

| | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 6 | 0.0121 | 0.0125 | 0.0128 | 0.0134 | 0.0138 | 0.0142 | 0.0146 | 0.0150 | 0.0154 | 0.0158 | 0.0162 | 0.0166 | 0.0170 | 0.0174 | 0.0177 |
| 7 | 0.0173 | 0.0180 | 0.0186 | 0.0192 | 0.0198 | 0.0204 | 0.0210 | 0.0215 | 0.0221 | 0.0227 | 0.0233 | 0.0238 | 0.0244 | 0.0249 | 0.0255 |
| 8 | 0.0237 | 0.0246 | 0.0254 | 0.0262 | 0.0271 | 0.0279 | 0.0287 | 0.0295 | 0.0303 | 0.0310 | 0.0318 | 0.0326 | 0.0334 | 0.0341 | 0.0349 |
| 9 | 0.0313 | 0.0324 | 0.0335 | 0.0346 | 0.0357 | 0.0368 | 0.0378 | 0.0389 | 0.0399 | 0.0409 | 0.0420 | 0.0430 | 0.0440 | 0.0450 | 0.0460 |
| 10 | 0.0401 | 0.0415 | 0.0429 | 0.0443 | 0.0457 | 0.0471 | 0.0484 | 0.0498 | 0.0511 | 0.0524 | 0.0538 | 0.0551 | 0.0563 | 0.0576 | 0.0589 |
| 11 | 0.0502 | 0.0519 | 0.0537 | 0.0555 | 0.0572 | 0.0589 | 0.0606 | 0.0623 | 0.0639 | 0.0656 | 0.0672 | 0.0689 | 0.0705 | 0.0721 | 0.0737 |
| 12 | 0.0615 | 0.0637 | 0.0659 | 0.0680 | 0.0702 | 0.0723 | 0.0743 | 0.0764 | 0.0785 | 0.0805 | 0.0825 | 0.0845 | 0.0865 | 0.0884 | 0.0904 |
| 13 | 0.0743 | 0.0769 | 0.0795 | 0.0821 | 0.0847 | 0.0872 | 0.0897 | 0.0922 | 0.0947 | 0.0971 | 0.0996 | 0.1020 | 0.1044 | 0.1067 | 0.1091 |
| 14 | 0.0884 | 0.0915 | 0.0946 | 0.0977 | 0.1008 | 0.1038 | 0.1068 | 0.1098 | 0.1127 | 0.1156 | 0.1185 | 0.1214 | 0.1242 | 0.1270 | 0.1298 |
| 15 | 0.1039 | 0.1076 | 0.1113 | 0.1149 | 0.1185 | 0.1221 | 0.1256 | 0.1291 | 0.1325 | 0.1359 | 0.1393 | 0.1427 | 0.1461 | 0.1494 | 0.1527 |
| 16 | 0.1209 | 0.1253 | 0.1295 | 0.1337 | 0.1379 | 0.1420 | 0.1461 | 0.1502 | 0.1542 | 0.1582 | 0.1622 | 0.1661 | 0.1700 | 0.1738 | 0.1777 |
| 17 | 0.1395 | 0.1444 | 0.1493 | 0.1542 | 0.1590 | 0.1638 | 0.1685 | 0.1732 | 0.1778 | 0.1824 | 0.1870 | 0.1915 | 0.1960 | 0.2004 | 0.2049 |
| 18 | 0.1595 | 0.1652 | 0.1708 | 0.1764 | 0.1819 | 0.1873 | 0.1927 | 0.1981 | 0.2034 | 0.2086 | 0.2138 | 0.2190 | 0.2241 | 0.2292 | 0.2343 |
| 19 | 0.1811 | 0.1876 | 0.1939 | 0.2003 | 0.2065 | 0.2127 | 0.2188 | 0.2249 | 0.2309 | 0.2369 | 0.2428 | 0.2487 | 0.2545 | 0.2603 | 0.2660 |
| 20 | 0.2043 | 0.2116 | 0.2188 | 0.2259 | 0.2328 | 0.2399 | 0.2468 | 0.2537 | 0.2604 | 0.2672 | 0.2739 | 0.2805 | 0.2871 | 0.2936 | 0.3001 |
| 21 | 0.2291 | 0.2373 | 0.2453 | 0.2533 | 0.2612 | 0.2691 | 0.2768 | 0.2845 | 0.2921 | 0.2997 | 0.3072 | 0.3146 | 0.3220 | 0.3293 | 0.3365 |
| 22 | 0.2556 | 0.2647 | 0.2737 | 0.2826 | 0.2914 | 0.3001 | 0.3088 | 0.3174 | 0.3259 | 0.3343 | 0.3425 | 0.3509 | 0.3591 | 0.3673 | 0.3754 |
| 23 | 0.2837 | 0.2938 | 0.3038 | 0.3137 | 0.3235 | 0.3332 | 0.3428 | 0.3523 | 0.3617 | 0.3711 | 0.3803 | 0.3895 | 0.3987 | 0.4077 | 0.4167 |
| 24 | 0.3135 | 0.3247 | 0.3357 | 0.3467 | 0.3575 | 0.3682 | 0.3788 | 0.3893 | 0.3998 | 0.4101 | 0.4203 | 0.4305 | 0.4405 | 0.4506 | 0.4605 |
| 25 | 0.3451 | 0.3574 | 0.3695 | 0.3816 | 0.3935 | 0.4053 | 0.4169 | 0.4285 | 0.4400 | 0.4514 | 0.4626 | 0.4738 | 0.4849 | 0.4960 | 0.5069 |
| 26 | 0.3784 | 0.3919 | 0.4052 | 0.4194 | 0.4335 | 0.4474 | 0.4612 | 0.4749 | 0.4885 | 0.4949 | 0.5073 | 0.5196 | 0.5317 | 0.5438 | 0.5558 |
| 27 | 0.4135 | 0.4282 | 0.4428 | 0.4572 | 0.4715 | 0.4856 | 0.4996 | 0.5134 | 0.5272 | 0.5408 | 0.5543 | 0.5677 | 0.5810 | 0.5942 | 0.6074 |
| 28 | 0.4503 | 0.4664 | 0.4823 | 0.4980 | 0.5135 | 0.5289 | 0.5441 | 0.5592 | 0.5742 | 0.5890 | 0.6038 | 0.6184 | 0.6329 | 0.6472 | 0.6615 |
| 29 | 0.4890 | 0.5065 | 0.5237 | 0.5408 | 0.5576 | 0.5743 | 0.5909 | 0.6073 | 0.6235 | 0.6397 | 0.6557 | 0.6715 | 0.6872 | 0.7029 | 0.7184 |
| 30 | 0.5296 | 0.5485 | 0.5671 | 0.5856 | 0.6039 | 0.6220 | 0.6399 | 0.6576 | 0.6752 | 0.6927 | 0.7100 | 0.7272 | 0.7442 | 0.7611 | 0.7779 |
| 31 | 0.5720 | 0.5924 | 0.6125 | 0.6325 | 0.6522 | 0.6718 | 0.6911 | 0.7103 | 0.7293 | 0.7482 | 0.7669 | 0.7854 | 0.8038 | 0.8221 | 0.8402 |
| 32 | 0.6163 | 0.6383 | 0.6600 | 0.6815 | 0.7027 | 0.7238 | 0.7446 | 0.7653 | 0.7858 | 0.8061 | 0.8262 | 0.8462 | 0.8661 | 0.8857 | 0.9053 |
| 33 | 0.6625 | 0.6861 | 0.7094 | 0.7325 | 0.7554 | 0.7780 | 0.8005 | 0.8227 | 0.8447 | 0.8665 | 0.8882 | 0.9097 | 0.9310 | 0.9521 | 0.9731 |
| 34 | 0.7106 | 0.7359 | 0.7610 | 0.7858 | 0.8103 | 0.8346 | 0.8586 | 0.8824 | 0.9061 | 0.9295 | 0.9527 | 0.9758 | 0.9986 | 1.0213 | 1.0438 |
| 35 | 0.7607 | 0.7878 | 0.8146 | 0.8411 | 0.8674 | 0.8934 | 0.9191 | 0.9446 | 0.9699 | 0.9950 | 1.0198 | 1.0445 | 1.0690 | 1.0933 | 1.1174 |
| 36 | 0.8127 | 0.8417 | 0.8704 | 0.8997 | 0.9287 | 0.9545 | 0.9820 | 1.0093 | 1.0363 | 1.0631 | 1.0896 | 1.1160 | 1.1421 | 1.1681 | 1.1939 |
| 37 | 0.8668 | 0.8977 | 0.9282 | 0.9584 | 0.9883 | 1.0180 | 1.0473 | 1.0764 | 1.1052 | 1.1337 | 1.1621 | 1.1902 | 1.2181 | 1.2457 | 1.2732 |
| 38 | 0.9228 | 0.9557 | 0.9882 | 1.0204 | 1.0522 | 1.0838 | 1.1150 | 1.1459 | 1.1766 | 1.2070 | 1.2372 | 1.2671 | 1.2968 | 1.3263 | 1.3555 |
| 39 | 0.9809 | 1.0158 | 1.0504 | 1.0846 | 1.1185 | 1.1520 | 1.1851 | 1.2181 | 1.2507 | 1.2830 | 1.3150 | 1.3469 | 1.3784 | 1.4097 | 1.4408 |
| 40 | 1.0410 | 1.0781 | 1.1168 | 1.1511 | 1.1870 | 1.2225 | 1.2578 | 1.2927 | 1.3273 | 1.3616 | 1.3955 | 1.4294 | 1.4633 | 1.4961 | 1.5291 |

Pinus taeda (con corteza)

| H (m) | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 6 | 0.0044 | 0.0051 | 0.0056 | 0.0062 | 0.0068 | 0.0074 | 0.0079 | 0.0085 | 0.0090 | 0.0095 | 0.0101 | 0.0106 | 0.0111 | 0.0116 | 0.0121 |
| 7 | 0.0066 | 0.0075 | 0.0083 | 0.0092 | 0.0100 | 0.0109 | 0.0117 | 0.0125 | 0.0133 | 0.0141 | 0.0148 | 0.0156 | 0.0164 | 0.0171 | 0.0179 |
| 8 | 0.0092 | 0.0105 | 0.0117 | 0.0129 | 0.0141 | 0.0152 | 0.0164 | 0.0175 | 0.0186 | 0.0197 | 0.0208 | 0.0219 | 0.0229 | 0.0239 | 0.0250 |
| 9 | 0.0124 | 0.0141 | 0.0157 | 0.0173 | 0.0189 | 0.0205 | 0.0220 | 0.0236 | 0.0250 | 0.0265 | 0.0280 | 0.0294 | 0.0309 | 0.0323 | 0.0337 |
| 10 | 0.0162 | 0.0184 | 0.0205 | 0.0226 | 0.0247 | 0.0267 | 0.0288 | 0.0307 | 0.0327 | 0.0345 | 0.0365 | 0.0384 | 0.0403 | 0.0421 | 0.0440 |
| 11 | 0.0205 | 0.0234 | 0.0261 | 0.0288 | 0.0314 | 0.0340 | 0.0366 | 0.0391 | 0.0416 | 0.0440 | 0.0465 | 0.0489 | 0.0512 | 0.0536 | 0.0559 |
| 12 | 0.0256 | 0.0291 | 0.0325 | 0.0359 | 0.0391 | 0.0424 | 0.0456 | 0.0487 | 0.0518 | 0.0548 | 0.0579 | 0.0609 | 0.0638 | 0.0668 | 0.0697 |
| 13 | 0.0313 | 0.0356 | 0.0398 | 0.0439 | 0.0479 | 0.0519 | 0.0558 | 0.0596 | 0.0634 | 0.0671 | 0.0708 | 0.0745 | 0.0781 | 0.0817 | 0.0853 |
| 14 | 0.0378 | 0.0429 | 0.0480 | 0.0529 | 0.0578 | 0.0625 | 0.0672 | 0.0719 | 0.0764 | 0.0809 | 0.0854 | 0.0898 | 0.0942 | 0.0985 | 0.1028 |
| 15 | 0.0450 | 0.0511 | 0.0571 | 0.0630 | 0.0688 | 0.0744 | 0.0800 | 0.0855 | 0.0910 | 0.0964 | 0.1017 | 0.1068 | 0.1121 | 0.1173 | 0.1224 |
| 16 | 0.0529 | 0.0602 | 0.0672 | 0.0741 | 0.0809 | 0.0876 | 0.0942 | 0.1007 | 0.1071 | 0.1134 | 0.1197 | 0.1258 | 0.1320 | 0.1380 | 0.1441 |
| 17 | 0.0617 | 0.0701 | 0.0783 | 0.0864 | 0.0943 | 0.1021 | 0.1098 | 0.1173 | 0.1248 | 0.1322 | 0.1394 | 0.1467 | 0.1538 | 0.1609 | 0.1679 |
| 18 | 0.0712 | 0.0810 | 0.0905 | 0.0998 | 0.1090 | 0.1180 | 0.1268 | 0.1355 | 0.1442 | 0.1527 | 0.1611 | 0.1694 | 0.1777 | 0.1859 | 0.1940 |
| 19 | 0.0817 | 0.0928 | 0.1037 | 0.1144 | 0.1249 | 0.1352 | 0.1454 | 0.1554 | 0.1652 | 0.1750 | 0.1847 | 0.1942 | 0.2037 | 0.2130 | 0.2223 |
| 20 | 0.0930 | 0.1057 | 0.1181 | 0.1302 | 0.1422 | 0.1539 | 0.1655 | 0.1768 | 0.1881 | 0.1992 | 0.2102 | 0.2211 | 0.2318 | 0.2425 | 0.2531 |
| 21 | 0.1051 | 0.1195 | 0.1336 | 0.1473 | 0.1608 | 0.1741 | 0.1871 | 0.2000 | 0.2128 | 0.2253 | 0.2377 | 0.2500 | 0.2622 | 0.2743 | 0.2862 |
| 22 | 0.1182 | 0.1344 | 0.1502 | 0.1657 | 0.1809 | 0.1958 | 0.2105 | 0.2250 | 0.2393 | 0.2534 | 0.2674 | 0.2812 | 0.2949 | 0.3085 | 0.3219 |
| 23 | 0.1323 | 0.1504 | 0.1681 | 0.1854 | 0.2023 | 0.2190 | 0.2355 | 0.2517 | 0.2677 | 0.2835 | 0.2991 | 0.3146 | 0.3299 | 0.3451 | 0.3601 |
| 24 | 0.1473 | 0.1675 | 0.1871 | 0.2064 | 0.2253 | 0.2439 | 0.2622 | 0.2802 | 0.2981 | 0.3157 | 0.3331 | 0.3503 | 0.3674 | 0.3842 | 0.4010 |
| 25 | 0.1633 | 0.1856 | 0.2074 | 0.2286 | 0.2497 | 0.2704 | 0.2906 | 0.3107 | 0.3304 | 0.3499 | 0.3692 | 0.3883 | 0.4072 | 0.4260 | 0.4445 |
| 26 | 0.1803 | 0.2050 | 0.2290 | 0.2526 | 0.2757 | 0.2985 | 0.3209 | 0.3430 | 0.3648 | 0.3864 | 0.4077 | 0.4287 | 0.4496 | 0.4703 | 0.4908 |
| 27 | 0.1983 | 0.2254 | 0.2519 | 0.2779 | 0.3033 | 0.3283 | 0.3530 | 0.3773 | 0.4013 | 0.4250 | 0.4484 | 0.4716 | 0.4946 | 0.5173 | 0.5399 |
| 28 | 0.2174 | 0.2471 | 0.2762 | 0.3046 | 0.3325 | 0.3599 | 0.3869 | 0.4136 | 0.4399 | 0.4658 | 0.4915 | 0.5170 | 0.5421 | 0.5671 | 0.5918 |
| 29 | 0.2375 | 0.2700 | 0.3017 | 0.3328 | 0.3633 | 0.3933 | 0.4228 | 0.4519 | 0.4806 | 0.5090 | 0.5371 | 0.5649 | 0.5924 | 0.6196 | 0.6466 |
| 30 | 0.2588 | 0.2942 | 0.3287 | 0.3625 | 0.3957 | 0.4284 | 0.4606 | 0.4923 | 0.5236 | 0.5545 | 0.5851 | 0.6153 | 0.6453 | 0.6750 | 0.7044 |
| 31 | 0.2811 | 0.3195 | 0.3571 | 0.3938 | 0.4299 | 0.4654 | 0.5003 | 0.5348 | 0.5688 | 0.6024 | 0.6356 | 0.6684 | 0.7010 | 0.7332 | 0.7652 |
| 32 | 0.3045 | 0.3462 | 0.3869 | 0.4267 | 0.4658 | 0.5042 | 0.5421 | 0.5794 | 0.6162 | 0.6526 | 0.6886 | 0.7242 | 0.7595 | 0.7944 | 0.8291 |
| 33 | 0.3291 | 0.3742 | 0.4181 | 0.4612 | 0.5034 | 0.5450 | 0.5859 | 0.6262 | 0.6660 | 0.7054 | 0.7443 | 0.7827 | 0.8209 | 0.8586 | 0.8960 |
| 34 | 0.3549 | 0.4035 | 0.4509 | 0.4973 | 0.5428 | 0.5876 | 0.6317 | 0.6752 | 0.7181 | 0.7606 | 0.8025 | 0.8440 | 0.8851 | 0.9258 | 0.9662 |
| 35 | 0.3819 | 0.4341 | 0.4851 | 0.5350 | 0.5840 | 0.6322 | 0.6797 | 0.7265 | 0.7727 | 0.8183 | 0.8635 | 0.9081 | 0.9523 | 0.9951 | 1.0395 |
| 36 | 0.4100 | 0.4661 | 0.5209 | 0.5745 | 0.6271 | 0.6788 | 0.7298 | 0.7800 | 0.8296 | 0.8786 | 0.9271 | 0.9751 | 1.0225 | 1.0696 | 1.1162 |
| 37 | 0.4394 | 0.4995 | 0.5582 | 0.6156 | 0.6720 | 0.7275 | 0.7821 | 0.8359 | 0.8891 | 0.9416 | 0.9935 | 1.0449 | 1.0958 | 1.1462 | 1.1961 |
| 38 | 0.4700 | 0.5343 | 0.5971 | 0.6585 | 0.7188 | 0.7781 | 0.8355 | 0.8911 | 0.9450 | 1.0072 | 1.0672 | 1.1177 | 1.1721 | 1.2260 | 1.2795 |
| 39 | 0.5018 | 0.5705 | 0.6375 | 0.7031 | 0.7675 | 0.8309 | 0.8932 | 0.9547 | 1.0154 | 1.0754 | 1.1347 | 1.1934 | 1.2515 | 1.3091 | 1.3662 |
| 40 | 0.5350 | 0.6082 | 0.6796 | 0.7496 | 0.8182 | 0.8857 | 0.9522 | 1.0178 | 1.0825 | 1.1464 | 1.2096 | 1.2722 | 1.3342 | 1.3955 | 1.4564 |

$V = 1.0868 \times 10^{-5} \times D^2 \times H + H^3 \times 0.0001$

→ H (m)

↓ DBH (cm)

| | | | | | | | | | | | | | | | |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 6 | 0.0126 | 0.0131 | 0.0136 | 0.0141 | 0.0146 | 0.0151 | 0.0155 | 0.0160 | 0.0165 | 0.0170 | 0.0174 | 0.0179 | 0.0184 | 0.0188 | 0.0193 |
| 7 | 0.0186 | 0.0193 | 0.0201 | 0.0208 | 0.0215 | 0.0222 | 0.0229 | 0.0236 | 0.0243 | 0.0250 | 0.0257 | 0.0264 | 0.0271 | 0.0278 | 0.0285 |
| 8 | 0.0261 | 0.0271 | 0.0281 | 0.0291 | 0.0301 | 0.0311 | 0.0321 | 0.0331 | 0.0341 | 0.0351 | 0.0360 | 0.0369 | 0.0378 | 0.0388 | 0.0398 |
| 9 | 0.0351 | 0.0365 | 0.0379 | 0.0392 | 0.0406 | 0.0419 | 0.0433 | 0.0446 | 0.0459 | 0.0472 | 0.0485 | 0.0498 | 0.0511 | 0.0524 | 0.0537 |
| 10 | 0.0458 | 0.0476 | 0.0494 | 0.0512 | 0.0529 | 0.0547 | 0.0564 | 0.0582 | 0.0599 | 0.0615 | 0.0633 | 0.0650 | 0.0667 | 0.0684 | 0.0700 |
| 11 | 0.0583 | 0.0606 | 0.0628 | 0.0651 | 0.0673 | 0.0696 | 0.0718 | 0.0740 | 0.0762 | 0.0784 | 0.0805 | 0.0827 | 0.0848 | 0.0870 | 0.0891 |
| 12 | 0.0726 | 0.0754 | 0.0783 | 0.0811 | 0.0839 | 0.0867 | 0.0894 | 0.0922 | 0.0949 | 0.0976 | 0.1003 | 0.1030 | 0.1057 | 0.1083 | 0.1110 |
| 13 | 0.0888 | 0.0923 | 0.0958 | 0.0993 | 0.1027 | 0.1061 | 0.1095 | 0.1128 | 0.1162 | 0.1195 | 0.1228 | 0.1261 | 0.1294 | 0.1326 | 0.1358 |
| 14 | 0.1071 | 0.1113 | 0.1155 | 0.1197 | 0.1238 | 0.1279 | 0.1320 | 0.1360 | 0.1401 | 0.1441 | 0.1481 | 0.1520 | 0.1560 | 0.1599 | 0.1638 |
| 15 | 0.1375 | 0.1425 | 0.1474 | 0.1523 | 0.1574 | 0.1623 | 0.1671 | 0.1719 | 0.1767 | 0.1815 | 0.1862 | 0.1910 | 0.1956 | 0.2003 | 0.2050 |
| 16 | 0.1500 | 0.1559 | 0.1618 | 0.1677 | 0.1734 | 0.1792 | 0.1849 | 0.1906 | 0.1962 | 0.2018 | 0.2074 | 0.2130 | 0.2185 | 0.2240 | 0.2295 |
| 17 | 0.1748 | 0.1817 | 0.1886 | 0.1954 | 0.2021 | 0.2088 | 0.2155 | 0.2221 | 0.2287 | 0.2352 | 0.2417 | 0.2482 | 0.2546 | 0.2610 | 0.2674 |
| 18 | 0.2020 | 0.2100 | 0.2179 | 0.2257 | 0.2335 | 0.2413 | 0.2489 | 0.2566 | 0.2642 | 0.2718 | 0.2793 | 0.2867 | 0.2942 | 0.3016 | 0.3089 |
| 19 | 0.2315 | 0.2407 | 0.2497 | 0.2587 | 0.2677 | 0.2765 | 0.2854 | 0.2941 | 0.3028 | 0.3115 | 0.3201 | 0.3287 | 0.3372 | 0.3457 | 0.3541 |
| 20 | 0.2635 | 0.2739 | 0.2843 | 0.2945 | 0.3047 | 0.3148 | 0.3248 | 0.3348 | 0.3447 | 0.3544 | 0.3641 | 0.3737 | 0.3833 | 0.3928 | 0.4021 |
| 21 | 0.2981 | 0.3099 | 0.3215 | 0.3331 | 0.3446 | 0.3560 | 0.3674 | 0.3787 | 0.3899 | 0.4011 | 0.4121 | 0.4232 | 0.4341 | 0.4451 | 0.4559 |
| 22 | 0.3352 | 0.3485 | 0.3616 | 0.3746 | 0.3875 | 0.4004 | 0.4132 | 0.4259 | 0.4385 | 0.4510 | 0.4635 | 0.4759 | 0.4882 | 0.5005 | 0.5127 |
| 23 | 0.3751 | 0.3899 | 0.4045 | 0.4191 | 0.4336 | 0.4480 | 0.4623 | 0.4765 | 0.4906 | 0.5046 | 0.5186 | 0.5324 | 0.5462 | 0.5600 | 0.5736 |
| 24 | 0.4176 | 0.4341 | 0.4504 | 0.4667 | 0.4828 | 0.4988 | 0.5147 | 0.5305 | 0.5462 | 0.5618 | 0.5774 | 0.5928 | 0.6082 | 0.6235 | 0.6387 |
| 25 | 0.4629 | 0.4812 | 0.4993 | 0.5173 | 0.5352 | 0.5529 | 0.5706 | 0.5881 | 0.6055 | 0.6228 | 0.6401 | 0.6572 | 0.6742 | 0.6912 | 0.7081 |
| 26 | 0.5111 | 0.5313 | 0.5513 | 0.5712 | 0.5909 | 0.6105 | 0.6300 | 0.6493 | 0.6686 | 0.6877 | 0.7067 | 0.7256 | 0.7444 | 0.7631 | 0.7818 |
| 27 | 0.5622 | 0.5844 | 0.6064 | 0.6283 | 0.6500 | 0.6715 | 0.6930 | 0.7142 | 0.7354 | 0.7564 | 0.7773 | 0.7982 | 0.8188 | 0.8394 | 0.8599 |
| 28 | 0.6163 | 0.6406 | 0.6648 | 0.6887 | 0.7125 | 0.7361 | 0.7596 | 0.7829 | 0.8061 | 0.8292 | 0.8521 | 0.8749 | 0.8976 | 0.9202 | 0.9426 |
| 29 | 0.6734 | 0.7000 | 0.7263 | 0.7525 | 0.7785 | 0.8043 | 0.8300 | 0.8555 | 0.8808 | 0.9060 | 0.9310 | 0.9559 | 0.9807 | 1.0054 | 1.0299 |
| 30 | 0.7336 | 0.7625 | 0.7912 | 0.8198 | 0.8481 | 0.8762 | 0.9041 | 0.9319 | 0.9595 | 0.9870 | 1.0142 | 1.0414 | 1.0684 | 1.0953 | 1.1220 |
| 31 | 0.7969 | 0.8283 | 0.8595 | 0.8905 | 0.9213 | 0.9518 | 0.9822 | 1.0123 | 1.0423 | 1.0721 | 1.1018 | 1.1313 | 1.1606 | 1.1898 | 1.2188 |
| 32 | 0.8634 | 0.8975 | 0.9313 | 0.9648 | 0.9982 | 1.0315 | 1.0642 | 1.0968 | 1.1293 | 1.1616 | 1.1937 | 1.2257 | 1.2575 | 1.2891 | 1.3205 |
| 33 | 0.9332 | 0.9700 | 1.0065 | 1.0428 | 1.0788 | 1.1146 | 1.1501 | 1.1855 | 1.2206 | 1.2555 | 1.2902 | 1.3247 | 1.3591 | 1.3932 | 1.4272 |
| 34 | 1.0062 | 1.0459 | 1.0853 | 1.1244 | 1.1633 | 1.2018 | 1.2402 | 1.2783 | 1.3161 | 1.3538 | 1.3912 | 1.4284 | 1.4655 | 1.5023 | 1.5390 |
| 35 | 1.0825 | 1.1233 | 1.1637 | 1.2036 | 1.2431 | 1.2821 | 1.3207 | 1.3589 | 1.3968 | 1.4345 | 1.4718 | 1.5088 | 1.5455 | 1.5823 | 1.6188 |
| 36 | 1.1624 | 1.2083 | 1.2538 | 1.2990 | 1.3439 | 1.3884 | 1.4327 | 1.4767 | 1.5204 | 1.5639 | 1.6072 | 1.6502 | 1.6930 | 1.7355 | 1.7779 |
| 37 | 1.2457 | 1.2948 | 1.3436 | 1.3920 | 1.4401 | 1.4879 | 1.5353 | 1.5825 | 1.6293 | 1.6759 | 1.7223 | 1.7684 | 1.8142 | 1.8598 | 1.9052 |
| 38 | 1.3325 | 1.3850 | 1.4372 | 1.4890 | 1.5404 | 1.5915 | 1.6423 | 1.6927 | 1.7428 | 1.7927 | 1.8422 | 1.8915 | 1.9406 | 1.9894 | 2.0379 |
| 39 | 1.4228 | 1.4789 | 1.5346 | 1.5898 | 1.6448 | 1.6994 | 1.7536 | 1.8074 | 1.8610 | 1.9142 | 1.9671 | 2.0198 | 2.0721 | 2.1242 | 2.1761 |
| 40 | 1.5167 | 1.5765 | 1.6359 | 1.6949 | 1.7534 | 1.8115 | 1.8693 | 1.9267 | 1.9838 | 2.0405 | 2.0970 | 2.1531 | 2.2089 | 2.2644 | 2.3197 |

P taeda (sin corteza)

| H (m) | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | 0.0037 | 0.0042 | 0.0046 | 0.0050 | 0.0054 | 0.0058 | 0.0061 | 0.0065 | 0.0068 | 0.0072 | 0.0075 | 0.0078 | 0.0082 | 0.0085 | 0.0088 |
| | 0.0056 | 0.0062 | 0.0068 | 0.0074 | 0.0080 | 0.0086 | 0.0091 | 0.0097 | 0.0102 | 0.0107 | 0.0112 | 0.0117 | 0.0122 | 0.0127 | 0.0131 |
| | 0.0079 | 0.0088 | 0.0097 | 0.0105 | 0.0113 | 0.0121 | 0.0129 | 0.0137 | 0.0144 | 0.0151 | 0.0158 | 0.0165 | 0.0172 | 0.0179 | 0.0186 |
| | 0.0107 | 0.0119 | 0.0131 | 0.0143 | 0.0154 | 0.0165 | 0.0175 | 0.0185 | 0.0195 | 0.0205 | 0.0215 | 0.0225 | 0.0234 | 0.0243 | 0.0252 |
| | 0.0141 | 0.0157 | 0.0173 | 0.0188 | 0.0202 | 0.0216 | 0.0230 | 0.0244 | 0.0257 | 0.0270 | 0.0283 | 0.0295 | 0.0307 | 0.0319 | 0.0331 |
| | 0.0201 | 0.0221 | 0.0241 | 0.0259 | 0.0277 | 0.0295 | 0.0312 | 0.0329 | 0.0346 | 0.0362 | 0.0378 | 0.0394 | 0.0409 | 0.0424 | 0.0439 |
| | 0.0226 | 0.0252 | 0.0277 | 0.0301 | 0.0325 | 0.0347 | 0.0370 | 0.0391 | 0.0412 | 0.0433 | 0.0454 | 0.0474 | 0.0493 | 0.0513 | 0.0532 |
| | 0.0278 | 0.0310 | 0.0341 | 0.0371 | 0.0399 | 0.0428 | 0.0455 | 0.0481 | 0.0508 | 0.0533 | 0.0558 | 0.0583 | 0.0607 | 0.0631 | 0.0654 |
| | 0.0337 | 0.0376 | 0.0413 | 0.0449 | 0.0484 | 0.0518 | 0.0551 | 0.0584 | 0.0615 | 0.0646 | 0.0676 | 0.0706 | 0.0735 | 0.0765 | 0.0793 |
| | 0.0403 | 0.0449 | 0.0494 | 0.0537 | 0.0579 | 0.0620 | 0.0659 | 0.0698 | 0.0735 | 0.0773 | 0.0809 | 0.0845 | 0.0880 | 0.0914 | 0.0948 |
| | 0.0476 | 0.0531 | 0.0584 | 0.0635 | 0.0685 | 0.0733 | 0.0779 | 0.0825 | 0.0870 | 0.0914 | 0.0957 | 0.0999 | 0.1040 | 0.1081 | 0.1121 |
| | 0.0557 | 0.0622 | 0.0683 | 0.0743 | 0.0801 | 0.0857 | 0.0912 | 0.0966 | 0.1018 | 0.1069 | 0.1119 | 0.1169 | 0.1217 | 0.1265 | 0.1312 |
| | 0.0646 | 0.0721 | 0.0793 | 0.0862 | 0.0929 | 0.0994 | 0.1058 | 0.1120 | 0.1181 | 0.1240 | 0.1298 | 0.1356 | 0.1412 | 0.1467 | 0.1522 |
| | 0.0743 | 0.0829 | 0.0912 | 0.0992 | 0.1069 | 0.1144 | 0.1217 | 0.1289 | 0.1358 | 0.1427 | 0.1494 | 0.1560 | 0.1624 | 0.1688 | 0.1751 |
| | 0.0849 | 0.0947 | 0.1042 | 0.1133 | 0.1221 | 0.1307 | 0.1390 | 0.1472 | 0.1552 | 0.1630 | 0.1706 | 0.1782 | 0.1858 | 0.1928 | 0.2000 |
| | 0.0964 | 0.1075 | 0.1182 | 0.1286 | 0.1386 | 0.1483 | 0.1578 | 0.1671 | 0.1761 | 0.1850 | 0.1937 | 0.2022 | 0.2106 | 0.2189 | 0.2270 |
| | 0.1087 | 0.1213 | 0.1334 | 0.1451 | 0.1564 | 0.1674 | 0.1781 | 0.1885 | 0.1987 | 0.2087 | 0.2185 | 0.2281 | 0.2376 | 0.2469 | 0.2561 |
| | 0.1220 | 0.1361 | 0.1497 | 0.1628 | 0.1755 | 0.1878 | 0.1998 | 0.2115 | 0.2230 | 0.2342 | 0.2452 | 0.2560 | 0.2667 | 0.2771 | 0.2874 |
| | 0.1362 | 0.1520 | 0.1672 | 0.1818 | 0.1960 | 0.2097 | 0.2231 | 0.2362 | 0.2490 | 0.2615 | 0.2738 | 0.2859 | 0.2978 | 0.3095 | 0.3210 |
| | 0.1515 | 0.1690 | 0.1859 | 0.2021 | 0.2179 | 0.2332 | 0.2481 | 0.2626 | 0.2768 | 0.2908 | 0.3044 | 0.3179 | 0.3311 | 0.3440 | 0.3568 |
| | 0.1677 | 0.1871 | 0.2058 | 0.2238 | 0.2412 | 0.2581 | 0.2746 | 0.2907 | 0.3065 | 0.3219 | 0.3370 | 0.3519 | 0.3665 | 0.3809 | 0.3951 |
| | 0.1849 | 0.2054 | 0.2270 | 0.2468 | 0.2660 | 0.2847 | 0.3029 | 0.3206 | 0.3380 | 0.3550 | 0.3717 | 0.3881 | 0.4042 | 0.4201 | 0.4357 |
| | 0.2032 | 0.2258 | 0.2494 | 0.2712 | 0.2923 | 0.3129 | 0.3328 | 0.3524 | 0.3714 | 0.3901 | 0.4085 | 0.4265 | 0.4442 | 0.4616 | 0.4788 |
| | 0.2226 | 0.2484 | 0.2732 | 0.2971 | 0.3202 | 0.3427 | 0.3646 | 0.3859 | 0.4068 | 0.4273 | 0.4474 | 0.4671 | 0.4865 | 0.5056 | 0.5244 |
| | 0.2431 | 0.2712 | 0.2983 | 0.3244 | 0.3496 | 0.3742 | 0.3981 | 0.4214 | 0.4442 | 0.4666 | 0.4885 | 0.5101 | 0.5313 | 0.5521 | 0.5726 |
| | 0.2646 | 0.2953 | 0.3248 | 0.3532 | 0.3807 | 0.4074 | 0.4334 | 0.4588 | 0.4837 | 0.5080 | 0.5319 | 0.5554 | 0.5784 | 0.6011 | 0.6235 |
| | 0.2874 | 0.3207 | 0.3527 | 0.3835 | 0.4134 | 0.4424 | 0.4706 | 0.4982 | 0.5252 | 0.5516 | 0.5776 | 0.6030 | 0.6281 | 0.6527 | 0.6770 |
| | 0.3112 | 0.3473 | 0.3820 | 0.4154 | 0.4477 | 0.4791 | 0.5097 | 0.5396 | 0.5689 | 0.5975 | 0.6256 | 0.6532 | 0.6803 | 0.7070 | 0.7333 |
| | 0.3363 | 0.3753 | 0.4127 | 0.4488 | 0.4838 | 0.5177 | 0.5508 | 0.5831 | 0.6147 | 0.6456 | 0.6759 | 0.7058 | 0.7353 | 0.7639 | 0.7923 |
| | 0.3626 | 0.4046 | 0.4449 | 0.4839 | 0.5215 | 0.5581 | 0.5938 | 0.6286 | 0.6627 | 0.6960 | 0.7287 | 0.7609 | 0.7925 | 0.8236 | 0.8542 |
| | 0.3900 | 0.4353 | 0.4787 | 0.5205 | 0.5611 | 0.6005 | 0.6388 | 0.6763 | 0.7129 | 0.7488 | 0.7840 | 0.8186 | 0.8525 | 0.8860 | 0.9189 |
| | 0.4188 | 0.4673 | 0.5139 | 0.5589 | 0.6024 | 0.6447 | 0.6859 | 0.7261 | 0.7654 | 0.8039 | 0.8417 | 0.8789 | 0.9153 | 0.9513 | 0.9866 |
| | 0.4488 | 0.5008 | 0.5508 | 0.5989 | 0.6456 | 0.6909 | 0.7350 | 0.7781 | 0.8202 | 0.8615 | 0.9020 | 0.9418 | 0.9809 | 1.0194 | 1.0573 |
| | 0.4801 | 0.5357 | 0.5891 | 0.6407 | 0.6906 | 0.7390 | 0.7862 | 0.8323 | 0.8774 | 0.9216 | 0.9649 | 1.0075 | 1.0493 | 1.0905 | 1.1310 |
| | 0.5126 | 0.5721 | 0.6291 | 0.6842 | 0.7374 | 0.7892 | 0.8396 | 0.8888 | 0.9370 | 0.9841 | 1.0304 | 1.0758 | 1.1205 | 1.1645 | 1.2078 |

V=1.000*10⁵ *D² *S² * H² * T^{1.77}

H (m)

| | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 6 | 0.0091 | 0.0094 | 0.0097 | 0.0100 | 0.0103 | 0.0106 | 0.0109 | 0.0112 | 0.0115 | 0.0117 | 0.0120 | 0.0123 | 0.0126 | 0.0128 | 0.0131 |
| 7 | 0.0136 | 0.0141 | 0.0145 | 0.0150 | 0.0154 | 0.0158 | 0.0163 | 0.0167 | 0.0171 | 0.0175 | 0.0179 | 0.0183 | 0.0188 | 0.0192 | 0.0196 |
| 8 | 0.0192 | 0.0199 | 0.0205 | 0.0211 | 0.0218 | 0.0224 | 0.0230 | 0.0236 | 0.0242 | 0.0248 | 0.0255 | 0.0262 | 0.0265 | 0.0271 | 0.0277 |
| 9 | 0.0261 | 0.0270 | 0.0278 | 0.0287 | 0.0295 | 0.0304 | 0.0312 | 0.0320 | 0.0328 | 0.0336 | 0.0344 | 0.0352 | 0.0360 | 0.0368 | 0.0375 |
| 10 | 0.0383 | 0.0395 | 0.0408 | 0.0421 | 0.0434 | 0.0447 | 0.0460 | 0.0473 | 0.0486 | 0.0499 | 0.0512 | 0.0525 | 0.0538 | 0.0551 | 0.0564 |
| 11 | 0.0439 | 0.0454 | 0.0469 | 0.0483 | 0.0497 | 0.0511 | 0.0525 | 0.0539 | 0.0553 | 0.0566 | 0.0579 | 0.0593 | 0.0606 | 0.0619 | 0.0632 |
| 12 | 0.0550 | 0.0569 | 0.0587 | 0.0605 | 0.0623 | 0.0641 | 0.0658 | 0.0675 | 0.0693 | 0.0709 | 0.0726 | 0.0743 | 0.0759 | 0.0776 | 0.0792 |
| 13 | 0.0677 | 0.0700 | 0.0723 | 0.0745 | 0.0767 | 0.0789 | 0.0810 | 0.0831 | 0.0852 | 0.0873 | 0.0894 | 0.0914 | 0.0934 | 0.0954 | 0.0974 |
| 14 | 0.0821 | 0.0849 | 0.0876 | 0.0903 | 0.0929 | 0.0956 | 0.0982 | 0.1008 | 0.1033 | 0.1058 | 0.1083 | 0.1108 | 0.1132 | 0.1157 | 0.1181 |
| 15 | 0.0982 | 0.1015 | 0.1048 | 0.1080 | 0.1112 | 0.1143 | 0.1174 | 0.1205 | 0.1235 | 0.1266 | 0.1296 | 0.1325 | 0.1354 | 0.1384 | 0.1412 |
| 16 | 0.1161 | 0.1200 | 0.1238 | 0.1277 | 0.1314 | 0.1351 | 0.1388 | 0.1425 | 0.1461 | 0.1496 | 0.1532 | 0.1567 | 0.1601 | 0.1636 | 0.1670 |
| 17 | 0.1359 | 0.1404 | 0.1449 | 0.1494 | 0.1538 | 0.1582 | 0.1625 | 0.1667 | 0.1709 | 0.1751 | 0.1792 | 0.1833 | 0.1874 | 0.1914 | 0.1954 |
| 18 | 0.1576 | 0.1629 | 0.1681 | 0.1733 | 0.1784 | 0.1834 | 0.1884 | 0.1934 | 0.1983 | 0.2031 | 0.2079 | 0.2126 | 0.2174 | 0.2220 | 0.2267 |
| 19 | 0.1813 | 0.1874 | 0.1934 | 0.1994 | 0.2052 | 0.2111 | 0.2168 | 0.2225 | 0.2281 | 0.2337 | 0.2392 | 0.2447 | 0.2501 | 0.2553 | 0.2608 |
| 20 | 0.2071 | 0.2141 | 0.2209 | 0.2277 | 0.2345 | 0.2411 | 0.2477 | 0.2541 | 0.2606 | 0.2669 | 0.2732 | 0.2793 | 0.2857 | 0.2918 | 0.2979 |
| 21 | 0.2350 | 0.2429 | 0.2508 | 0.2585 | 0.2661 | 0.2736 | 0.2811 | 0.2884 | 0.2957 | 0.3030 | 0.3101 | 0.3172 | 0.3242 | 0.3312 | 0.3381 |
| 22 | 0.2652 | 0.2741 | 0.2829 | 0.2916 | 0.3002 | 0.3087 | 0.3171 | 0.3254 | 0.3337 | 0.3418 | 0.3499 | 0.3579 | 0.3658 | 0.3737 | 0.3815 |
| 23 | 0.2976 | 0.3076 | 0.3175 | 0.3273 | 0.3369 | 0.3464 | 0.3559 | 0.3652 | 0.3744 | 0.3836 | 0.3926 | 0.4016 | 0.4105 | 0.4193 | 0.4281 |
| 24 | 0.3323 | 0.3435 | 0.3546 | 0.3655 | 0.3762 | 0.3869 | 0.3974 | 0.4078 | 0.4182 | 0.4284 | 0.4385 | 0.4485 | 0.4584 | 0.4683 | 0.4780 |
| 25 | 0.3694 | 0.3819 | 0.3942 | 0.4063 | 0.4183 | 0.4301 | 0.4418 | 0.4534 | 0.4649 | 0.4762 | 0.4875 | 0.4985 | 0.5096 | 0.5206 | 0.5314 |
| 26 | 0.4090 | 0.4228 | 0.4364 | 0.4498 | 0.4631 | 0.4762 | 0.4891 | 0.5020 | 0.5147 | 0.5272 | 0.5397 | 0.5520 | 0.5642 | 0.5763 | 0.5884 |
| 27 | 0.4511 | 0.4663 | 0.4813 | 0.4961 | 0.5107 | 0.5251 | 0.5394 | 0.5536 | 0.5676 | 0.5815 | 0.5952 | 0.6088 | 0.6223 | 0.6356 | 0.6489 |
| 28 | 0.4957 | 0.5124 | 0.5289 | 0.5451 | 0.5612 | 0.5771 | 0.5928 | 0.6084 | 0.6237 | 0.6390 | 0.6541 | 0.6690 | 0.6838 | 0.6985 | 0.7131 |
| 29 | 0.5430 | 0.5612 | 0.5793 | 0.5971 | 0.6147 | 0.6321 | 0.6493 | 0.6663 | 0.6832 | 0.6999 | 0.7164 | 0.7328 | 0.7490 | 0.7651 | 0.7810 |
| 30 | 0.5929 | 0.6128 | 0.6325 | 0.6520 | 0.6712 | 0.6902 | 0.7090 | 0.7276 | 0.7459 | 0.7642 | 0.7823 | 0.8001 | 0.8179 | 0.8354 | 0.8528 |
| 31 | 0.6455 | 0.6672 | 0.6887 | 0.7099 | 0.7308 | 0.7515 | 0.7719 | 0.7922 | 0.8122 | 0.8321 | 0.8517 | 0.8712 | 0.8905 | 0.9095 | 0.9286 |
| 32 | 0.7009 | 0.7245 | 0.7478 | 0.7708 | 0.7935 | 0.8160 | 0.8382 | 0.8602 | 0.8820 | 0.9035 | 0.9248 | 0.9460 | 0.9669 | 0.9877 | 1.0083 |
| 33 | 0.7592 | 0.7847 | 0.8100 | 0.8349 | 0.8595 | 0.8838 | 0.9079 | 0.9317 | 0.9552 | 0.9786 | 1.0017 | 1.0246 | 1.0473 | 1.0698 | 1.0921 |
| 34 | 0.8203 | 0.8479 | 0.8752 | 0.9021 | 0.9287 | 0.9550 | 0.9810 | 1.0067 | 1.0322 | 1.0574 | 1.0823 | 1.1071 | 1.1316 | 1.1559 | 1.1800 |
| 35 | 0.8844 | 0.9143 | 0.9435 | 0.9725 | 1.0012 | 1.0298 | 1.0575 | 1.0853 | 1.1128 | 1.1399 | 1.1669 | 1.1935 | 1.2200 | 1.2462 | 1.2721 |
| 36 | 0.9514 | 0.9834 | 1.0151 | 1.0463 | 1.0771 | 1.1076 | 1.1378 | 1.1676 | 1.1971 | 1.2264 | 1.2553 | 1.2840 | 1.3125 | 1.3406 | 1.3685 |
| 37 | 1.0215 | 1.0559 | 1.0898 | 1.1233 | 1.1565 | 1.1892 | 1.2216 | 1.2536 | 1.2853 | 1.3167 | 1.3478 | 1.3786 | 1.4091 | 1.4394 | 1.4694 |
| 38 | 1.0947 | 1.1315 | 1.1679 | 1.2038 | 1.2393 | 1.2744 | 1.3091 | 1.3434 | 1.3774 | 1.4110 | 1.4443 | 1.4774 | 1.5101 | 1.5425 | 1.5747 |
| 39 | 1.1710 | 1.2104 | 1.2493 | 1.2877 | 1.3257 | 1.3632 | 1.4003 | 1.4371 | 1.4734 | 1.5094 | 1.5450 | 1.5803 | 1.6153 | 1.6500 | 1.6844 |
| 40 | 1.2505 | 1.2926 | 1.3341 | 1.3751 | 1.4157 | 1.4558 | 1.4954 | 1.5345 | 1.5734 | 1.6118 | 1.6499 | 1.6875 | 1.7250 | 1.7620 | 1.7988 |

↓ DBH (cm)

Pinus eliottii (con corteza)

| H (m) | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 6 | 0.0091 | 0.0111 | 0.0133 | 0.0155 | 0.0178 | 0.0201 | 0.0226 | 0.0251 | 0.0276 | 0.0302 | 0.0329 | 0.0356 | 0.0384 | 0.0412 | 0.0441 |
| 7 | 0.0118 | 0.0145 | 0.0173 | 0.0202 | 0.0231 | 0.0262 | 0.0294 | 0.0326 | 0.0360 | 0.0394 | 0.0429 | 0.0464 | 0.0500 | 0.0537 | 0.0574 |
| 8 | 0.0149 | 0.0182 | 0.0216 | 0.0253 | 0.0291 | 0.0329 | 0.0369 | 0.0410 | 0.0452 | 0.0495 | 0.0538 | 0.0583 | 0.0628 | 0.0674 | 0.0721 |
| 9 | 0.0182 | 0.0223 | 0.0266 | 0.0310 | 0.0356 | 0.0403 | 0.0452 | 0.0502 | 0.0552 | 0.0605 | 0.0659 | 0.0713 | 0.0769 | 0.0825 | 0.0882 |
| 10 | 0.0218 | 0.0267 | 0.0318 | 0.0371 | 0.0426 | 0.0483 | 0.0541 | 0.0601 | 0.0662 | 0.0725 | 0.0789 | 0.0853 | 0.0920 | 0.0988 | 0.1057 |
| 11 | 0.0257 | 0.0314 | 0.0374 | 0.0437 | 0.0501 | 0.0568 | 0.0637 | 0.0707 | 0.0779 | 0.0853 | 0.0928 | 0.1005 | 0.1083 | 0.1163 | 0.1244 |
| 12 | 0.0298 | 0.0365 | 0.4434 | 0.0507 | 0.0582 | 0.0659 | 0.0739 | 0.0821 | 0.0904 | 0.0990 | 0.1077 | 0.1167 | 0.1257 | 0.1350 | 0.1444 |
| 13 | 0.0342 | 0.0418 | 0.0498 | 0.0581 | 0.0667 | 0.0756 | 0.0847 | 0.0941 | 0.1037 | 0.1135 | 0.1236 | 0.1338 | 0.1442 | 0.1548 | 0.1655 |
| 14 | 0.0388 | 0.0475 | 0.0565 | 0.0660 | 0.0758 | 0.0858 | 0.0962 | 0.1068 | 0.1177 | 0.1289 | 0.1403 | 0.1519 | 0.1637 | 0.1757 | 0.1879 |
| 15 | 0.0436 | 0.0534 | 0.0636 | 0.0742 | 0.0852 | 0.0966 | 0.1083 | 0.1202 | 0.1325 | 0.1450 | 0.1578 | 0.1709 | 0.1842 | 0.1977 | 0.2115 |
| 16 | 0.0487 | 0.0596 | 0.0711 | 0.0829 | 0.0952 | 0.1079 | 0.1209 | 0.1343 | 0.1480 | 0.1620 | 0.1763 | 0.1908 | 0.2057 | 0.2208 | 0.2362 |
| 17 | 0.0541 | 0.0662 | 0.0788 | 0.0920 | 0.1056 | 0.1197 | 0.1341 | 0.1489 | 0.1641 | 0.1797 | 0.1955 | 0.2117 | 0.2282 | 0.2449 | 0.2620 |
| 18 | 0.0596 | 0.0730 | 0.0869 | 0.1014 | 0.1164 | 0.1319 | 0.1479 | 0.1642 | 0.1810 | 0.1981 | 0.2156 | 0.2335 | 0.2516 | 0.2701 | 0.2889 |
| 19 | 0.0654 | 0.0800 | 0.0953 | 0.1113 | 0.1277 | 0.1447 | 0.1622 | 0.1802 | 0.1985 | 0.2173 | 0.2365 | 0.2561 | 0.2760 | 0.2963 | 0.3169 |
| 20 | 0.0714 | 0.0874 | 0.1041 | 0.1215 | 0.1395 | 0.1580 | 0.1771 | 0.1967 | 0.2168 | 0.2373 | 0.2582 | 0.2796 | 0.3013 | 0.3234 | 0.3459 |
| 21 | 0.0776 | 0.0950 | 0.1131 | 0.1320 | 0.1516 | 0.1718 | 0.1925 | 0.2138 | 0.2356 | 0.2579 | 0.2807 | 0.3039 | 0.3276 | 0.3516 | 0.3761 |
| 22 | 0.0840 | 0.1028 | 0.1225 | 0.1430 | 0.1642 | 0.1860 | 0.2085 | 0.2315 | 0.2551 | 0.2793 | 0.3039 | 0.3291 | 0.3547 | 0.3807 | 0.4072 |
| 23 | 0.0907 | 0.1110 | 0.1322 | 0.1543 | 0.1771 | 0.2007 | 0.2249 | 0.2498 | 0.2753 | 0.3014 | 0.3280 | 0.3551 | 0.3827 | 0.4108 | 0.4394 |
| 24 | 0.0975 | 0.1194 | 0.1422 | 0.1659 | 0.1905 | 0.2158 | 0.2419 | 0.2687 | 0.2961 | 0.3241 | 0.3527 | 0.3819 | 0.4116 | 0.4419 | 0.4726 |
| 25 | 0.1046 | 0.1280 | 0.1523 | 0.1779 | 0.2043 | 0.2315 | 0.2594 | 0.2881 | 0.3175 | 0.3476 | 0.3783 | 0.4095 | 0.4414 | 0.4732 | 0.5068 |
| 26 | 0.1118 | 0.1369 | 0.1631 | 0.1903 | 0.2185 | 0.2475 | 0.2774 | 0.3081 | 0.3396 | 0.3717 | 0.4045 | 0.4380 | 0.4720 | 0.5067 | 0.5419 |
| 27 | 0.1193 | 0.1460 | 0.1739 | 0.2030 | 0.2330 | 0.2640 | 0.2959 | 0.3287 | 0.3622 | 0.3965 | 0.4315 | 0.4672 | 0.5035 | 0.5405 | 0.5781 |
| 28 | 0.1270 | 0.1554 | 0.1851 | 0.2160 | 0.2480 | 0.2810 | 0.3149 | 0.3498 | 0.3855 | 0.4219 | 0.4592 | 0.4972 | 0.5358 | 0.5752 | 0.6152 |
| 29 | 0.1348 | 0.1650 | 0.1966 | 0.2294 | 0.2633 | 0.2984 | 0.3344 | 0.3714 | 0.4093 | 0.4480 | 0.4876 | 0.5279 | 0.5690 | 0.6108 | 0.6533 |
| 30 | 0.1429 | 0.1748 | 0.2083 | 0.2431 | 0.2791 | 0.3162 | 0.3544 | 0.3936 | 0.4338 | 0.4748 | 0.5167 | 0.5595 | 0.6030 | 0.6473 | 0.6923 |
| 31 | 0.1511 | 0.1849 | 0.2203 | 0.2571 | 0.2952 | 0.3344 | 0.3748 | 0.4163 | 0.4598 | 0.5072 | 0.5465 | 0.5917 | 0.6378 | 0.6846 | 0.7322 |
| 32 | 0.1595 | 0.1953 | 0.2326 | 0.2714 | 0.3116 | 0.3531 | 0.3958 | 0.4396 | 0.4844 | 0.5322 | 0.5770 | 0.6248 | 0.6734 | 0.7228 | 0.7731 |
| 33 | 0.1682 | 0.2058 | 0.2452 | 0.2861 | 0.3285 | 0.3722 | 0.4172 | 0.4633 | 0.5106 | 0.5599 | 0.6082 | 0.6585 | 0.7098 | 0.7619 | 0.8149 |
| 34 | 0.1770 | 0.2166 | 0.2580 | 0.3011 | 0.3457 | 0.3917 | 0.4390 | 0.4876 | 0.5373 | 0.5882 | 0.6401 | 0.6931 | 0.7470 | 0.8018 | 0.8576 |
| 35 | 0.1860 | 0.2276 | 0.2712 | 0.3164 | 0.3633 | 0.4116 | 0.4614 | 0.5124 | 0.5647 | 0.6181 | 0.6727 | 0.7283 | 0.7850 | 0.8426 | 0.9012 |
| 36 | 0.1952 | 0.2389 | 0.2845 | 0.3320 | 0.3812 | 0.4319 | 0.4841 | 0.5377 | 0.5925 | 0.6486 | 0.7059 | 0.7643 | 0.8237 | 0.8842 | 0.9457 |
| 37 | 0.2045 | 0.2503 | 0.2982 | 0.3480 | 0.3995 | 0.4527 | 0.5074 | 0.5635 | 0.6210 | 0.6797 | 0.7398 | 0.8009 | 0.8633 | 0.9266 | 0.9911 |
| 38 | 0.2141 | 0.2620 | 0.3121 | 0.3642 | 0.4182 | 0.4738 | 0.5311 | 0.5898 | 0.6500 | 0.7115 | 0.7743 | 0.8383 | 0.9036 | 0.9699 | 1.0374 |
| 39 | 0.2238 | 0.2739 | 0.3263 | 0.3808 | 0.4372 | 0.4953 | 0.5552 | 0.6166 | 0.6795 | 0.7438 | 0.8095 | 0.8764 | 0.9446 | 1.0140 | 1.0845 |
| 40 | 0.2337 | 0.2860 | 0.3408 | 0.3978 | 0.4565 | 0.5173 | 0.5798 | 0.6439 | 0.7096 | 0.7767 | 0.8453 | 0.9152 | 0.9864 | 1.0589 | 1.1325 |

V = 4.0521*10 * D 1.7105 * H 1.1077

H (m)

→ DBH (cm)

| | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 6 | 0.0470 | 0.0500 | 0.0530 | 0.0560 | 0.0591 | 0.0622 | 0.0653 | 0.0685 | 0.0718 | 0.0750 | 0.0783 | 0.0816 | 0.0850 | 0.0884 | 0.0918 |
| 7 | 0.0612 | 0.0650 | 0.0689 | 0.0729 | 0.0769 | 0.0810 | 0.0853 | 0.0892 | 0.0934 | 0.0977 | 0.1020 | 0.1063 | 0.1107 | 0.1151 | 0.1195 |
| 8 | 0.0769 | 0.0817 | 0.0866 | 0.0916 | 0.0966 | 0.1017 | 0.1069 | 0.1121 | 0.1174 | 0.1227 | 0.1281 | 0.1336 | 0.1391 | 0.1446 | 0.1502 |
| 9 | 0.0941 | 0.1000 | 0.1060 | 0.1121 | 0.1182 | 0.1245 | 0.1308 | 0.1372 | 0.1436 | 0.1501 | 0.1567 | 0.1634 | 0.1701 | 0.1769 | 0.1838 |
| 10 | 0.1127 | 0.1197 | 0.1268 | 0.1342 | 0.1416 | 0.1490 | 0.1566 | 0.1642 | 0.1720 | 0.1798 | 0.1877 | 0.1957 | 0.2037 | 0.2118 | 0.2199 |
| 11 | 0.1326 | 0.1409 | 0.1494 | 0.1580 | 0.1667 | 0.1754 | 0.1843 | 0.1933 | 0.2024 | 0.2116 | 0.2209 | 0.2303 | 0.2398 | 0.2494 | 0.2590 |
| 12 | 0.1539 | 0.1636 | 0.1734 | 0.1833 | 0.1934 | 0.2036 | 0.2139 | 0.2244 | 0.2349 | 0.2456 | 0.2564 | 0.2673 | 0.2783 | 0.2894 | 0.3006 |
| 13 | 0.1765 | 0.1876 | 0.1988 | 0.2102 | 0.2218 | 0.2335 | 0.2453 | 0.2573 | 0.2694 | 0.2817 | 0.2940 | 0.3065 | 0.3191 | 0.3319 | 0.3447 |
| 14 | 0.2003 | 0.2129 | 0.2257 | 0.2387 | 0.2518 | 0.2651 | 0.2785 | 0.2921 | 0.3058 | 0.3197 | 0.3338 | 0.3480 | 0.3623 | 0.3767 | 0.3913 |
| 15 | 0.2254 | 0.2396 | 0.2540 | 0.2686 | 0.2833 | 0.2983 | 0.3134 | 0.3287 | 0.3442 | 0.3598 | 0.3756 | 0.3916 | 0.4077 | 0.4239 | 0.4404 |
| 16 | 0.2518 | 0.2676 | 0.2836 | 0.2999 | 0.3164 | 0.3331 | 0.3500 | 0.3671 | 0.3843 | 0.4018 | 0.4194 | 0.4373 | 0.4553 | 0.4734 | 0.4918 |
| 17 | 0.2793 | 0.2968 | 0.3146 | 0.3327 | 0.3510 | 0.3695 | 0.3882 | 0.4072 | 0.4263 | 0.4457 | 0.4653 | 0.4851 | 0.5050 | 0.5252 | 0.5455 |
| 18 | 0.3080 | 0.3273 | 0.3470 | 0.3669 | 0.3870 | 0.4074 | 0.4281 | 0.4490 | 0.4701 | 0.4915 | 0.5131 | 0.5349 | 0.5569 | 0.5791 | 0.6016 |
| 19 | 0.3378 | 0.3590 | 0.3806 | 0.4024 | 0.4245 | 0.4469 | 0.4698 | 0.4925 | 0.5157 | 0.5391 | 0.5628 | 0.5867 | 0.6109 | 0.6353 | 0.6599 |
| 20 | 0.3688 | 0.3920 | 0.4153 | 0.4393 | 0.4638 | 0.4879 | 0.5127 | 0.5377 | 0.5630 | 0.5885 | 0.6144 | 0.6406 | 0.6669 | 0.6935 | 0.7204 |
| 21 | 0.4009 | 0.4261 | 0.4517 | 0.4776 | 0.5038 | 0.5304 | 0.5573 | 0.5845 | 0.6120 | 0.6398 | 0.6679 | 0.6953 | 0.7250 | 0.7539 | 0.7831 |
| 22 | 0.4341 | 0.4614 | 0.4891 | 0.5171 | 0.5456 | 0.5743 | 0.6035 | 0.6329 | 0.6627 | 0.6928 | 0.7233 | 0.7540 | 0.7850 | 0.8164 | 0.8480 |
| 23 | 0.4684 | 0.4973 | 0.5277 | 0.5580 | 0.5887 | 0.6197 | 0.6512 | 0.6830 | 0.7151 | 0.7476 | 0.7804 | 0.8136 | 0.8471 | 0.8809 | 0.9150 |
| 24 | 0.5038 | 0.5355 | 0.5676 | 0.6002 | 0.6331 | 0.6665 | 0.7003 | 0.7345 | 0.7691 | 0.8041 | 0.8394 | 0.8750 | 0.9111 | 0.9474 | 0.9841 |
| 25 | 0.5402 | 0.5742 | 0.6087 | 0.6436 | 0.6789 | 0.7148 | 0.7510 | 0.7877 | 0.8248 | 0.8622 | 0.9001 | 0.9383 | 0.9770 | 1.0160 | 1.0552 |
| 26 | 0.5777 | 0.6141 | 0.6509 | 0.6882 | 0.7261 | 0.7644 | 0.8031 | 0.8423 | 0.8820 | 0.9221 | 0.9626 | 1.0035 | 1.0448 | 1.0865 | 1.1285 |
| 27 | 0.6163 | 0.6550 | 0.6943 | 0.7341 | 0.7745 | 0.8154 | 0.8567 | 0.8985 | 0.9408 | 0.9836 | 1.0268 | 1.0704 | 1.1145 | 1.1589 | 1.2038 |
| 28 | 0.6558 | 0.6971 | 0.7389 | 0.7813 | 0.8242 | 0.8677 | 0.9117 | 0.9562 | 1.0012 | 1.0467 | 1.0927 | 1.1391 | 1.1860 | 1.2333 | 1.2811 |
| 29 | 0.6964 | 0.7402 | 0.7846 | 0.8296 | 0.8752 | 0.9214 | 0.9681 | 1.0154 | 1.0632 | 1.1115 | 1.1603 | 1.2096 | 1.2594 | 1.3097 | 1.3604 |
| 30 | 0.7380 | 0.7844 | 0.8315 | 0.8792 | 0.9275 | 0.9764 | 1.0259 | 1.0760 | 1.1267 | 1.1779 | 1.2296 | 1.2818 | 1.3346 | 1.3879 | 1.4416 |
| 31 | 0.7806 | 0.8297 | 0.8794 | 0.9299 | 0.9810 | 1.0328 | 1.0851 | 1.1381 | 1.1917 | 1.2458 | 1.3006 | 1.3558 | 1.4116 | 1.4680 | 1.5248 |
| 32 | 0.8242 | 0.8760 | 0.9285 | 0.9818 | 1.0358 | 1.0904 | 1.1457 | 1.2016 | 1.2582 | 1.3154 | 1.3732 | 1.4315 | 1.4904 | 1.5499 | 1.6099 |
| 33 | 0.8687 | 0.9233 | 0.9787 | 1.0349 | 1.0918 | 1.1494 | 1.2079 | 1.2666 | 1.3262 | 1.3865 | 1.4474 | 1.5089 | 1.5710 | 1.6337 | 1.6970 |
| 34 | 0.9142 | 0.9717 | 1.0300 | 1.0891 | 1.1490 | 1.2096 | 1.2709 | 1.3330 | 1.3957 | 1.4591 | 1.5232 | 1.5880 | 1.6533 | 1.7193 | 1.7859 |
| 35 | 0.9607 | 1.0211 | 1.0824 | 1.1445 | 1.2074 | 1.2711 | 1.3356 | 1.4008 | 1.4667 | 1.5333 | 1.6007 | 1.6687 | 1.7374 | 1.8067 | 1.8767 |
| 36 | 1.0082 | 1.0715 | 1.1358 | 1.2010 | 1.2670 | 1.3339 | 1.4015 | 1.4699 | 1.5391 | 1.6091 | 1.6797 | 1.7511 | 1.8232 | 1.8959 | 1.9693 |
| 37 | 1.0565 | 1.1230 | 1.1904 | 1.2586 | 1.3278 | 1.3979 | 1.4688 | 1.5405 | 1.6130 | 1.6863 | 1.7603 | 1.8351 | 1.9107 | 1.9869 | 2.0639 |
| 38 | 1.1059 | 1.1754 | 1.2459 | 1.3174 | 1.3898 | 1.4631 | 1.5373 | 1.6124 | 1.6883 | 1.7650 | 1.8425 | 1.9208 | 1.9999 | 2.0797 | 2.1602 |
| 39 | 1.1561 | 1.2288 | 1.3025 | 1.3773 | 1.4530 | 1.5296 | 1.6072 | 1.6857 | 1.7650 | 1.8452 | 1.9262 | 2.0081 | 2.0908 | 2.1742 | 2.2584 |
| 40 | 1.2073 | 1.2832 | 1.3602 | 1.4382 | 1.5173 | 1.5973 | 1.6783 | 1.7603 | 1.8431 | 1.9269 | 2.0115 | 2.0970 | 2.1833 | 2.2704 | 2.3584 |

Pinus eliottii (sin corteza)

| H (m) | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 6 | 0.0078 | 0.0095 | 0.0115 | 0.0135 | 0.0155 | 0.0177 | 0.0199 | 0.0222 | 0.0245 | 0.0269 | 0.0294 | 0.0319 | 0.0345 | 0.0371 | 0.0397 |
| 7 | 0.0100 | 0.0124 | 0.0148 | 0.0174 | 0.0200 | 0.0228 | 0.0256 | 0.0285 | 0.0315 | 0.0346 | 0.0378 | 0.0410 | 0.0443 | 0.0477 | 0.0511 |
| 8 | 0.0125 | 0.0154 | 0.0184 | 0.0216 | 0.0249 | 0.0283 | 0.0318 | 0.0355 | 0.0392 | 0.0431 | 0.0470 | 0.0510 | 0.0551 | 0.0593 | 0.0635 |
| 9 | 0.0151 | 0.0186 | 0.0223 | 0.0261 | 0.0302 | 0.0343 | 0.0386 | 0.0430 | 0.0475 | 0.0522 | 0.0569 | 0.0618 | 0.0668 | 0.0718 | 0.0770 |
| 10 | 0.0179 | 0.0221 | 0.0263 | 0.0311 | 0.0358 | 0.0407 | 0.0458 | 0.0511 | 0.0565 | 0.0620 | 0.0676 | 0.0734 | 0.0793 | 0.0853 | 0.0915 |
| 11 | 0.0210 | 0.0258 | 0.0309 | 0.0363 | 0.0418 | 0.0476 | 0.0535 | 0.0597 | 0.0660 | 0.0724 | 0.0790 | 0.0858 | 0.0927 | 0.0997 | 0.1068 |
| 12 | 0.0242 | 0.0298 | 0.0357 | 0.0418 | 0.0482 | 0.0549 | 0.0617 | 0.0688 | 0.0760 | 0.0835 | 0.0911 | 0.0988 | 0.1068 | 0.1149 | 0.1231 |
| 13 | 0.0275 | 0.0339 | 0.0406 | 0.0477 | 0.0550 | 0.0625 | 0.0703 | 0.0784 | 0.0866 | 0.0951 | 0.1038 | 0.1126 | 0.1217 | 0.1309 | 0.1403 |
| 14 | 0.0311 | 0.0383 | 0.0459 | 0.0538 | 0.0620 | 0.0705 | 0.0794 | 0.0884 | 0.0978 | 0.1073 | 0.1171 | 0.1271 | 0.1373 | 0.1478 | 0.1584 |
| 15 | 0.0348 | 0.0428 | 0.0513 | 0.0602 | 0.0694 | 0.0790 | 0.0888 | 0.0990 | 0.1094 | 0.1201 | 0.1311 | 0.1423 | 0.1537 | 0.1654 | 0.1772 |
| 16 | 0.0386 | 0.0476 | 0.0570 | 0.0669 | 0.0771 | 0.0877 | 0.0987 | 0.1100 | 0.1216 | 0.1335 | 0.1456 | 0.1581 | 0.1708 | 0.1837 | 0.1969 |
| 17 | 0.0427 | 0.0526 | 0.0630 | 0.0738 | 0.0851 | 0.0968 | 0.1089 | 0.1214 | 0.1342 | 0.1473 | 0.1608 | 0.1745 | 0.1885 | 0.2028 | 0.2174 |
| 18 | 0.0468 | 0.0577 | 0.0691 | 0.0810 | 0.0935 | 0.1063 | 0.1195 | 0.1333 | 0.1473 | 0.1617 | 0.1765 | 0.1916 | 0.2070 | 0.2227 | 0.2387 |
| 19 | 0.0512 | 0.0630 | 0.0755 | 0.0885 | 0.1021 | 0.1161 | 0.1306 | 0.1456 | 0.1609 | 0.1767 | 0.1928 | 0.2092 | 0.2261 | 0.2432 | 0.2607 |
| 20 | 0.0556 | 0.0685 | 0.0821 | 0.0962 | 0.1110 | 0.1263 | 0.1420 | 0.1583 | 0.1750 | 0.1921 | 0.2096 | 0.2275 | 0.2458 | 0.2644 | 0.2834 |
| 21 | 0.0602 | 0.0742 | 0.0889 | 0.1042 | 0.1202 | 0.1367 | 0.1538 | 0.1714 | 0.1895 | 0.2080 | 0.2270 | 0.2464 | 0.2662 | 0.2864 | 0.3069 |
| 22 | 0.0650 | 0.0800 | 0.0959 | 0.1124 | 0.1297 | 0.1475 | 0.1659 | 0.1849 | 0.2044 | 0.2244 | 0.2449 | 0.2658 | 0.2872 | 0.3089 | 0.3311 |
| 23 | 0.0699 | 0.0861 | 0.1031 | 0.1209 | 0.1394 | 0.1586 | 0.1784 | 0.1988 | 0.2198 | 0.2413 | 0.2633 | 0.2858 | 0.3088 | 0.3322 | 0.3561 |
| 24 | 0.0745 | 0.0923 | 0.1105 | 0.1296 | 0.1495 | 0.1700 | 0.1913 | 0.2131 | 0.2356 | 0.2586 | 0.2822 | 0.3063 | 0.3310 | 0.3561 | 0.3817 |
| 25 | 0.0800 | 0.0986 | 0.1181 | 0.1385 | 0.1597 | 0.1817 | 0.2044 | 0.2278 | 0.2518 | 0.2755 | 0.3017 | 0.3274 | 0.3538 | 0.3806 | 0.4080 |
| 26 | 0.0853 | 0.1051 | 0.1259 | 0.1477 | 0.1703 | 0.1937 | 0.2179 | 0.2429 | 0.2685 | 0.2947 | 0.3216 | 0.3491 | 0.3772 | 0.4058 | 0.4349 |
| 27 | 0.0908 | 0.1116 | 0.1339 | 0.1571 | 0.1811 | 0.2060 | 0.2318 | 0.2583 | 0.2855 | 0.3134 | 0.3420 | 0.3713 | 0.4011 | 0.4315 | 0.4625 |
| 28 | 0.0963 | 0.1186 | 0.1421 | 0.1667 | 0.1922 | 0.2186 | 0.2460 | 0.2741 | 0.3030 | 0.3326 | 0.3630 | 0.3940 | 0.4256 | 0.4579 | 0.4908 |
| 29 | 0.1020 | 0.1256 | 0.1505 | 0.1765 | 0.2035 | 0.2315 | 0.2604 | 0.2902 | 0.3208 | 0.3522 | 0.3843 | 0.4172 | 0.4507 | 0.4849 | 0.5198 |
| 30 | 0.1078 | 0.1328 | 0.1591 | 0.1865 | 0.2151 | 0.2447 | 0.2753 | 0.3067 | 0.3391 | 0.3722 | 0.4052 | 0.4409 | 0.4764 | 0.5115 | 0.5482 |
| 31 | 0.1137 | 0.1401 | 0.1678 | 0.1968 | 0.2269 | 0.2582 | 0.2904 | 0.3236 | 0.3577 | 0.3927 | 0.4285 | 0.4652 | 0.5025 | 0.5407 | 0.5795 |
| 32 | 0.1198 | 0.1475 | 0.1767 | 0.2072 | 0.2390 | 0.2719 | 0.3058 | 0.3408 | 0.3767 | 0.4136 | 0.4513 | 0.4899 | 0.5293 | 0.5694 | 0.6103 |
| 33 | 0.1259 | 0.1551 | 0.1858 | 0.2179 | 0.2513 | 0.2859 | 0.3216 | 0.3584 | 0.3961 | 0.4349 | 0.4746 | 0.5151 | 0.5565 | 0.5988 | 0.6418 |
| 34 | 0.1322 | 0.1629 | 0.1951 | 0.2288 | 0.2638 | 0.3002 | 0.3376 | 0.3762 | 0.4159 | 0.4566 | 0.4983 | 0.5408 | 0.5843 | 0.6286 | 0.6738 |
| 35 | 0.1386 | 0.1708 | 0.2046 | 0.2399 | 0.2766 | 0.3147 | 0.3540 | 0.3945 | 0.4361 | 0.4787 | 0.5224 | 0.5670 | 0.6126 | 0.6591 | 0.7064 |
| 36 | 0.1451 | 0.1788 | 0.2142 | 0.2512 | 0.2896 | 0.3295 | 0.3707 | 0.4130 | 0.4566 | 0.5012 | 0.5470 | 0.5937 | 0.6414 | 0.6901 | 0.7397 |
| 37 | 0.1518 | 0.1870 | 0.2240 | 0.2627 | 0.3029 | 0.3446 | 0.3876 | 0.4319 | 0.4775 | 0.5242 | 0.5720 | 0.6209 | 0.6708 | 0.7217 | 0.7735 |
| 38 | 0.1585 | 0.1953 | 0.2339 | 0.2743 | 0.3164 | 0.3599 | 0.4048 | 0.4511 | 0.4987 | 0.5475 | 0.5974 | 0.6485 | 0.7006 | 0.7538 | 0.8079 |
| 39 | 0.1654 | 0.2037 | 0.2441 | 0.2862 | 0.3301 | 0.3755 | 0.4224 | 0.4707 | 0.5203 | 0.5712 | 0.6233 | 0.6766 | 0.7309 | 0.7864 | 0.8429 |
| 40 | 0.1724 | 0.2123 | 0.2544 | 0.2983 | 0.3440 | 0.3913 | 0.4402 | 0.4905 | 0.5422 | 0.5953 | 0.6496 | 0.7051 | 0.7618 | 0.8196 | 0.8784 |

$V = 3.7111 \times 10^{-5} \times \text{DBH}^3 \times H^{1.5526}$

H (m)

| | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 6 | 0.0424 | 0.0452 | 0.0480 | 0.0508 | 0.0537 | 0.0567 | 0.0596 | 0.0626 | 0.0657 | 0.0688 | 0.0719 | 0.0750 | 0.0782 | 0.0815 | 0.0847 |
| 7 | 0.0546 | 0.0581 | 0.0617 | 0.0654 | 0.0691 | 0.0729 | 0.0767 | 0.0806 | 0.0845 | 0.0884 | 0.0924 | 0.0965 | 0.1006 | 0.1047 | 0.1089 |
| 8 | 0.0679 | 0.0723 | 0.0768 | 0.0813 | 0.0859 | 0.0906 | 0.0954 | 0.1002 | 0.1050 | 0.1100 | 0.1150 | 0.1200 | 0.1251 | 0.1303 | 0.1355 |
| 9 | 0.0823 | 0.0876 | 0.0930 | 0.0985 | 0.1041 | 0.1098 | 0.1156 | 0.1214 | 0.1273 | 0.1333 | 0.1393 | 0.1454 | 0.1516 | 0.1579 | 0.1642 |
| 10 | 0.0977 | 0.1040 | 0.1105 | 0.1170 | 0.1237 | 0.1304 | 0.1372 | 0.1442 | 0.1512 | 0.1583 | 0.1654 | 0.1727 | 0.1800 | 0.1875 | 0.1950 |
| 11 | 0.1141 | 0.1215 | 0.1291 | 0.1367 | 0.1445 | 0.1524 | 0.1603 | 0.1684 | 0.1766 | 0.1849 | 0.1933 | 0.2018 | 0.2103 | 0.2190 | 0.2278 |
| 12 | 0.1316 | 0.1401 | 0.1488 | 0.1576 | 0.1665 | 0.1756 | 0.1848 | 0.1941 | 0.2036 | 0.2131 | 0.2228 | 0.2326 | 0.2424 | 0.2524 | 0.2625 |
| 13 | 0.1499 | 0.1596 | 0.1695 | 0.1796 | 0.1898 | 0.2001 | 0.2106 | 0.2212 | 0.2320 | 0.2429 | 0.2539 | 0.2650 | 0.2763 | 0.2877 | 0.2992 |
| 14 | 0.1693 | 0.1802 | 0.1913 | 0.2027 | 0.2142 | 0.2258 | 0.2377 | 0.2497 | 0.2618 | 0.2741 | 0.2865 | 0.2991 | 0.3118 | 0.3246 | 0.3376 |
| 15 | 0.1893 | 0.2016 | 0.2141 | 0.2268 | 0.2397 | 0.2528 | 0.2660 | 0.2794 | 0.2930 | 0.3067 | 0.3206 | 0.3347 | 0.3489 | 0.3633 | 0.3778 |
| 16 | 0.2104 | 0.2240 | 0.2379 | 0.2520 | 0.2663 | 0.2808 | 0.2955 | 0.3104 | 0.3255 | 0.3408 | 0.3563 | 0.3719 | 0.3877 | 0.4037 | 0.4198 |
| 17 | 0.2322 | 0.2473 | 0.2627 | 0.2782 | 0.2940 | 0.3100 | 0.3263 | 0.3427 | 0.3594 | 0.3762 | 0.3933 | 0.4106 | 0.4280 | 0.4457 | 0.4635 |
| 18 | 0.2550 | 0.2715 | 0.2883 | 0.3054 | 0.3228 | 0.3403 | 0.3582 | 0.3762 | 0.3945 | 0.4130 | 0.4318 | 0.4507 | 0.4699 | 0.4892 | 0.5088 |
| 19 | 0.2785 | 0.2966 | 0.3149 | 0.3336 | 0.3525 | 0.3717 | 0.3912 | 0.4109 | 0.4309 | 0.4511 | 0.4716 | 0.4923 | 0.5132 | 0.5343 | 0.5557 |
| 20 | 0.3028 | 0.3224 | 0.3424 | 0.3627 | 0.3833 | 0.4042 | 0.4254 | 0.4468 | 0.4685 | 0.4905 | 0.5128 | 0.5353 | 0.5580 | 0.5810 | 0.6042 |
| 21 | 0.3279 | 0.3492 | 0.3708 | 0.3928 | 0.4151 | 0.4377 | 0.4606 | 0.4838 | 0.5074 | 0.5312 | 0.5553 | 0.5795 | 0.6043 | 0.6292 | 0.6542 |
| 22 | 0.3537 | 0.3767 | 0.4001 | 0.4238 | 0.4478 | 0.4722 | 0.4969 | 0.5220 | 0.5474 | 0.5731 | 0.5990 | 0.6253 | 0.6519 | 0.6788 | 0.7059 |
| 23 | 0.3803 | 0.4050 | 0.4302 | 0.4556 | 0.4815 | 0.5077 | 0.5343 | 0.5613 | 0.5886 | 0.6162 | 0.6441 | 0.6724 | 0.7010 | 0.7298 | 0.7590 |
| 24 | 0.4077 | 0.4342 | 0.4611 | 0.4884 | 0.5161 | 0.5443 | 0.5728 | 0.6016 | 0.6309 | 0.6605 | 0.6904 | 0.7207 | 0.7514 | 0.7823 | 0.8135 |
| 25 | 0.4358 | 0.4641 | 0.4929 | 0.5221 | 0.5517 | 0.5817 | 0.6122 | 0.6431 | 0.6743 | 0.7060 | 0.7380 | 0.7704 | 0.8031 | 0.8362 | 0.8697 |
| 26 | 0.4646 | 0.4948 | 0.5254 | 0.5566 | 0.5882 | 0.6202 | 0.6527 | 0.6856 | 0.7189 | 0.7527 | 0.7868 | 0.8213 | 0.8562 | 0.8915 | 0.9272 |
| 27 | 0.4941 | 0.5262 | 0.5588 | 0.5919 | 0.6255 | 0.6596 | 0.6941 | 0.7291 | 0.7646 | 0.8005 | 0.8368 | 0.8735 | 0.9106 | 0.9481 | 0.9860 |
| 28 | 0.5243 | 0.5584 | 0.5930 | 0.6281 | 0.6638 | 0.6999 | 0.7366 | 0.7737 | 0.8113 | 0.8494 | 0.8879 | 0.9269 | 0.9663 | 1.0061 | 1.0462 |
| 29 | 0.5552 | 0.5913 | 0.6279 | 0.6651 | 0.7029 | 0.7412 | 0.7800 | 0.8193 | 0.8592 | 0.8995 | 0.9403 | 0.9815 | 1.0232 | 1.0654 | 1.1080 |
| 30 | 0.5868 | 0.6249 | 0.6636 | 0.7030 | 0.7429 | 0.7833 | 0.8244 | 0.8659 | 0.9080 | 0.9506 | 0.9938 | 1.0374 | 1.0814 | 1.1250 | 1.1710 |
| 31 | 0.6191 | 0.6593 | 0.7001 | 0.7416 | 0.7837 | 0.8264 | 0.8697 | 0.9135 | 0.9579 | 1.0029 | 1.0484 | 1.0944 | 1.1409 | 1.1879 | 1.2354 |
| 32 | 0.6520 | 0.6943 | 0.7373 | 0.7810 | 0.8254 | 0.8703 | 0.9159 | 0.9621 | 1.0089 | 1.0562 | 1.1041 | 1.1526 | 1.2016 | 1.2511 | 1.3011 |
| 33 | 0.6855 | 0.7301 | 0.7753 | 0.8213 | 0.8679 | 0.9152 | 0.9631 | 1.0117 | 1.0608 | 1.1106 | 1.1610 | 1.2119 | 1.2634 | 1.3155 | 1.3681 |
| 34 | 0.7198 | 0.7665 | 0.8140 | 0.8623 | 0.9112 | 0.9609 | 1.0112 | 1.0622 | 1.1138 | 1.1661 | 1.2189 | 1.2724 | 1.3265 | 1.3812 | 1.4364 |
| 35 | 0.7546 | 0.8037 | 0.8535 | 0.9040 | 0.9554 | 1.0074 | 1.0602 | 1.1136 | 1.1673 | 1.2225 | 1.2781 | 1.3341 | 1.3908 | 1.4481 | 1.5050 |
| 36 | 0.7901 | 0.8415 | 0.8936 | 0.9466 | 1.0003 | 1.0548 | 1.1100 | 1.1660 | 1.2227 | 1.2801 | 1.3381 | 1.3968 | 1.4562 | 1.5162 | 1.5768 |
| 37 | 0.8263 | 0.8799 | 0.9345 | 0.9898 | 1.0460 | 1.1030 | 1.1608 | 1.2193 | 1.2785 | 1.3386 | 1.3993 | 1.4607 | 1.5228 | 1.5855 | 1.6489 |
| 38 | 0.8630 | 0.9191 | 0.9760 | 1.0339 | 1.0926 | 1.1521 | 1.2124 | 1.2736 | 1.3355 | 1.3981 | 1.4615 | 1.5257 | 1.5905 | 1.6551 | 1.7223 |
| 39 | 0.9004 | 0.9589 | 1.0183 | 1.0786 | 1.1399 | 1.2020 | 1.2649 | 1.3287 | 1.3933 | 1.4587 | 1.5248 | 1.5917 | 1.6594 | 1.7278 | 1.7969 |
| 40 | 0.9384 | 0.9993 | 1.0613 | 1.1241 | 1.1880 | 1.2527 | 1.3183 | 1.3848 | 1.4521 | 1.5202 | 1.5892 | 1.6589 | 1.7294 | 1.8005 | 1.8727 |

+ DBH (cm)

Apéndice 3.5 Tabla de Producción

Eucalyptus grandis

(1) En caso de situación real

| Edad | N | A (m) | D (cm) | Vol (m ³) | VOL (m ³ /ha/a) | A/D | Sr |
|------|------|-------|--------|-----------------------|----------------------------|-----|------|
| 3 | 1412 | 3.9 | 5.1 | 0.00272 | 4 (1.3) | 77 | .678 |
| 4 | 1364 | 8.0 | 8.8 | 0.01761 | 24 (6.0) | 90 | .340 |
| 5 | 1309 | 11.4 | 11.7 | 0.04567 | 60 (12.0) | 98 | .242 |
| 6 | 1245 | 14.4 | 14.0 | 0.08399 | 105 (17.4) | 103 | .197 |
| 7 | 1184 | 16.9 | 15.8 | 0.12900 | 153 (21.8) | 107 | .172 |
| 8 | 1043 | 19.1 | 17.4 | 0.17752 | 185 (23.1) | 110 | .162 |
| 9 | 945 | 21.0 | 18.7 | 0.22698 | 215 (23.8) | 112 | .155 |
| 10 | 875 | 22.6 | 19.8 | 0.27551 | 241 (24.1) | 114 | .150 |
| 11 | 823 | 24.0 | 20.7 | 0.32183 | 265 (24.1) | 115 | .146 |
| 12 | 782 | 25.1 | 21.5 | 0.36512 | 286 (23.8) | 117 | .142 |
| 13 | 751 | 26.1 | 22.2 | 0.40494 | 304 (23.4) | 118 | .140 |
| 14 | 725 | 27.0 | 22.8 | 0.44112 | 320 (22.9) | 119 | .138 |
| 15 | 705 | 27.7 | 23.2 | 0.47365 | 334 (22.3) | 119 | .136 |
| 16 | 689 | 28.4 | 23.7 | 0.50268 | 346 (21.6) | 120 | .134 |
| 17 | 675 | 28.9 | 24.0 | 0.52840 | 357 (21.0) | 120 | .133 |
| 18 | 664 | 29.4 | 24.3 | 0.55108 | 366 (20.3) | 121 | .132 |
| 19 | 655 | 29.8 | 24.6 | 0.57098 | 374 (19.7) | 121 | .131 |
| 20 | 647 | 30.1 | 24.8 | 0.58838 | 381 (19.0) | 121 | .131 |

(2) En caso de espaciado de 1.110 árboles/ha.

| Edad | N | A (m) | D (cm) | Vol (m ³) | VOL (m ³ /ha/a) | A/D | Sr |
|------|------|-------|--------|-----------------------|----------------------------|-----|------|
| 3 | 1100 | 3.9 | 5.1 | 0.00272 | 3 (1.0) | 77 | .769 |
| 4 | 1100 | 8.0 | 8.8 | 0.01761 | 19 (4.8) | 90 | .378 |
| 5 | 1100 | 11.4 | 11.7 | 0.04567 | 50 (10.0) | 98 | .264 |
| 6 | 1100 | 14.4 | 14.0 | 0.08399 | 92 (15.4) | 103 | .209 |
| 7 | 1100 | 16.9 | 15.8 | 0.12900 | 142 (20.3) | 107 | .178 |
| 8 | 1043 | 19.1 | 17.4 | 0.17752 | 185 (23.1) | 110 | .162 |
| 9 | 945 | 21.0 | 18.7 | 0.22698 | 215 (23.8) | 112 | .155 |
| 10 | 875 | 22.6 | 19.8 | 0.27551 | 241 (24.1) | 114 | .150 |
| 11 | 823 | 24.0 | 20.7 | 0.32183 | 265 (24.1) | 115 | .146 |
| 12 | 782 | 25.1 | 21.5 | 0.36512 | 286 (23.8) | 117 | .142 |
| 13 | 751 | 26.1 | 22.2 | 0.40494 | 304 (23.4) | 118 | .140 |
| 14 | 725 | 27.0 | 22.8 | 0.44112 | 320 (22.9) | 119 | .138 |
| 15 | 705 | 27.7 | 23.2 | 0.47365 | 334 (22.3) | 119 | .136 |
| 16 | 689 | 28.4 | 23.7 | 0.50268 | 346 (21.6) | 120 | .134 |
| 17 | 675 | 28.9 | 24.0 | 0.52840 | 357 (21.0) | 120 | .133 |
| 18 | 664 | 29.4 | 24.3 | 0.55108 | 366 (20.3) | 121 | .132 |
| 19 | 655 | 29.8 | 24.6 | 0.57098 | 374 (19.7) | 121 | .131 |
| 20 | 647 | 30.1 | 24.8 | 0.58838 | 381 (19.0) | 121 | .131 |

N = Número de árboles

A = Altura

D = D.A.P.

Sr = Relación relativa de espaciamento

3-5-1

$$\left(\frac{\text{Espaciamento en m}}{\text{Altura en m}} \right)$$

Eucalyptus globulus

(1) En caso de situación real

| Edad | N | A (m) | D (cm) | Vol (m ³) | VOL (m ³ /ha/a) | A/D | Sr |
|------|------|-------|--------|-----------------------|----------------------------|-----|------|
| 3 | 1378 | 8.2 | 10.8 | 0.01818 | 25 (8.4) | 76 | .331 |
| 4 | 1270 | 10.4 | 12.3 | 0.03374 | 43 (10.7) | 84 | .271 |
| 5 | 1196 | 12.4 | 13.5 | 0.05340 | 64 (12.8) | 91 | .234 |
| 6 | 1141 | 14.2 | 14.6 | 0.07640 | 87 (14.5) | 97 | .209 |
| 7 | 1098 | 15.9 | 15.5 | 0.10198 | 112 (16.0) | 102 | .190 |
| 8 | 1064 | 17.4 | 16.3 | 0.12940 | 138 (17.2) | 107 | .176 |
| 9 | 1036 | 18.8 | 17.0 | 0.15804 | 164 (18.2) | 111 | .165 |
| 10 | 1013 | 20.1 | 17.6 | 0.18732 | 190 (19.0) | 114 | .156 |
| 11 | 994 | 21.3 | 18.2 | 0.21678 | 216 (19.6) | 117 | .149 |
| 12 | 978 | 22.3 | 18.7 | 0.24602 | 241 (20.0) | 119 | .143 |
| 13 | 964 | 23.3 | 19.1 | 0.27474 | 265 (20.4) | 122 | .138 |
| 14 | 951 | 24.2 | 19.5 | 0.30269 | 288 (20.6) | 124 | .134 |
| 15 | 941 | 25.0 | 19.9 | 0.32968 | 310 (20.7) | 126 | .130 |
| 16 | 931 | 25.7 | 20.2 | 0.35558 | 331 (20.7) | 127 | .127 |
| 17 | 923 | 26.4 | 20.5 | 0.38029 | 351 (20.7) | 129 | .125 |
| 18 | 916 | 27.0 | 20.7 | 0.40375 | 370 (20.5) | 130 | .122 |
| 19 | 910 | 27.6 | 21.0 | 0.42594 | 387 (20.4) | 132 | .120 |
| 20 | 904 | 28.1 | 21.2 | 0.44684 | 404 (20.2) | 133 | .118 |

(2) En caso de espaciado de 1.110 árboles/ha

| Edad | N | A (m) | D (cm) | Vol (m ³) | VOL (m ³ /ha/a) | A/D | Sr |
|------|------|-------|--------|-----------------------|----------------------------|-----|------|
| 3 | 1100 | 8.2 | 10.8 | 0.01818 | 20 (6.7) | 76 | .370 |
| 4 | 1100 | 10.4 | 12.3 | 0.03374 | 37 (9.3) | 84 | .291 |
| 5 | 1100 | 12.4 | 13.5 | 0.05340 | 59 (11.7) | 91 | .244 |
| 6 | 1100 | 14.2 | 14.6 | 0.07640 | 84 (14.0) | 97 | .212 |
| 7 | 1098 | 15.9 | 15.5 | 0.10198 | 112 (16.0) | 102 | .190 |
| 8 | 1064 | 17.4 | 16.3 | 0.12940 | 138 (17.2) | 107 | .176 |
| 9 | 1036 | 18.8 | 17.0 | 0.15804 | 164 (18.2) | 111 | .165 |
| 10 | 1013 | 20.1 | 17.6 | 0.18732 | 190 (19.0) | 114 | .156 |
| 11 | 994 | 21.3 | 18.2 | 0.21678 | 216 (19.6) | 117 | .149 |
| 12 | 978 | 22.3 | 18.7 | 0.24602 | 241 (20.0) | 119 | .143 |
| 13 | 964 | 23.3 | 19.1 | 0.27474 | 265 (20.4) | 122 | .138 |
| 14 | 951 | 24.2 | 19.5 | 0.30269 | 288 (20.6) | 124 | .134 |
| 15 | 941 | 25.0 | 19.9 | 0.32968 | 310 (20.7) | 126 | .130 |
| 16 | 931 | 25.7 | 20.2 | 0.35558 | 331 (20.7) | 127 | .127 |
| 17 | 923 | 26.4 | 20.5 | 0.38029 | 351 (20.7) | 129 | .125 |
| 18 | 916 | 27.0 | 20.7 | 0.40375 | 370 (20.5) | 130 | .122 |
| 19 | 910 | 27.6 | 21.0 | 0.42594 | 387 (20.4) | 132 | .120 |
| 20 | 904 | 28.1 | 21.2 | 0.44684 | 404 (20.2) | 133 | .118 |

3-5-2

N = Número de árboles

A = Altura

D = D.A.P.

Sr = Relación relativa de espaciamento

$$\left(\frac{\text{Espaciamento en m}}{\text{Altura en m}} \right)$$

Pinus taeda

(1) En caso de situación real

| Edad | N | A (m) | D (cm) | Vol (m ³) | VOL (m ³ /ha/a) | A/D | Sr |
|------|------|-------|--------|-----------------------|----------------------------|-----|------|
| 5 | 1312 | 5.9 | 11.8 | 0.02653 | 35 (7.0) | 49 | .468 |
| 10 | 966 | 11.7 | 20.4 | 0.16051 | 155 (15.5) | 57 | .275 |
| 15 | 697 | 17.1 | 25.4 | 0.36617 | 255 (17.0) | 67 | .222 |
| 20 | 580 | 21.1 | 28.8 | 0.58276 | 338 (16.9) | 73 | .197 |
| 25 | 516 | 24.2 | 31.1 | 0.78247 | 404 (16.2) | 78 | .182 |
| 30 | 477 | 26.5 | 32.8 | 0.95424 | 456 (15.2) | 81 | .173 |

(2) En caso de espaciado de 1.110 árboles/ha

| Edad | N | A (m) | D (cm) | Vol (m ³) | VOL (m ³ /ha/a) | A/D | Sr |
|------|------|-------|--------|-----------------------|----------------------------|-----|------|
| 5 | 1100 | 4.6 | 8.5 | 0.00941 | 10 (2.1) | 54 | .300 |
| 10 | 1100 | 11.7 | 19.4 | 0.14301 | 157 (15.7) | 60 | .258 |
| | 880 | | 20.4 | 0.16102 | 142 | | |
| 15 | 880 | 17.1 | 23.3 | 0.29772 | 262 (17.5) | 73 | .197 |
| | 660 | | 24.9 | 0.34828 | 230 | | |
| 20 | 660 | 21.1 | 27.4 | 0.51967 | 343 (17.1) | 77 | .184 |
| | 440 | | 30.2 | 0.65512 | 288 | | |
| 25 | 440 | 24.2 | 33.0 | 0.90204 | 397 (15.9) | 73 | .197 |
| 30 | 440 | 26.5 | 33.8 | 1.02595 | 451 (15.0) | 78 | .180 |

N = Número de árboles

A = Altura

D = D.A.P.

Sr = Relación relativa de espaciamento

$$\left(\frac{\text{Espaciamento en m}}{\text{Altura en m}} \right)$$

3-5-3

Pinus elliotii

(1) En caso de situación real

| Edad | N | A (m) | D (cm) | Vol (m ³) | VOL (m ³ /ha/a) | A/D | Sr |
|------|------|-------|--------|-----------------------|----------------------------|-----|------|
| 5 | 1286 | 7.1 | 13.2 | 0.04477 | 58 (11.6) | 54 | .393 |
| 10 | 1037 | 11.8 | 19.7 | 0.14894 | 154 (15.4) | 60 | .264 |
| 15 | 795 | 15.9 | 24.1 | 0.28813 | 229 (15.3) | 66 | .222 |
| 20 | 675 | 19.2 | 27.3 | 0.43280 | 292 (14.6) | 71 | .200 |
| 25 | 605 | 21.8 | 29.7 | 0.56910 | 344 (13.8) | 74 | .186 |
| 30 | 560 | 23.9 | 31.5 | 0.69057 | 387 (12.9) | 76 | .177 |

(2) En caso de espaciado de 1.110/ha.

| Edad | N | A (m) | D (cm) | Vol (m ³) | VOL (m ³ /ha/a) | A/D | Sr |
|------|------|-------|--------|-----------------------|----------------------------|-----|------|
| 5 | 1100 | 6.4 | 11.6 | 0.03041 | 33 (6.7) | 55 | .300 |
| 10 | 1100 | 11.8 | 19.4 | 0.14324 | 158 (15.8) | 61 | .257 |
| | 880 | | 20.3 | 0.15946 | 140 | | |
| 15 | 880 | 15.9 | 23.4 | 0.26949 | 237 (15.8) | 68 | .211 |
| | | | 660 | 24.9 | 0.31060 | | |
| 20 | 660 | 19.2 | 27.5 | 0.43950 | 290 (14.5) | 70 | .202 |
| | | | 440 | 30.2 | 0.54201 | | |
| 25 | 440 | 21.8 | 32.5 | 0.70280 | 309 (12.4) | 67 | .218 |
| 30 | 440 | 23.9 | 33.8 | 0.81001 | 356 (11.9) | 71 | .200 |

N = Número de árboles

A = Altura

D = D.A.P.

Sr = Relación relativa de espaciamento

$$\left(\frac{\text{Espaciamento en m}}{\text{Altura en m}} \right)$$

3-5-4

110