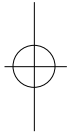


“ 不知火 ”

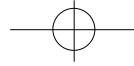
.



2001 8 31

:
:
:





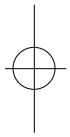
不知火

가

不知火

가

,



,

가

가

,

.

,

가

가

가

가

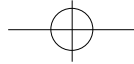
가

가.

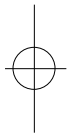
-

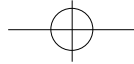
가





가 가
 가 .
 .
 - 90 가
 , 가
 .
 , .
 .
 가.
 - ,
 ,
 가 가 ,
 , 21C .
 .
 - , 가
 가 ,
 가 가





1 .

90

90 .

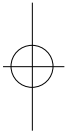
가

가

가

가

가



,

,

M16A

(造園)

가

가

(造園)

가

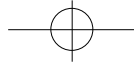
가

가

10

1~2





가 가 가

.

13 , 0.9%
가

가 가 가

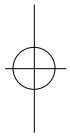
가 가 가

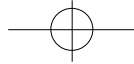
.

가 ,

가 .

가





2 .

1

1.

가

가

가

가

가

가

가

(母樹)

가

가

가

2

3

가

1kg

30cm

2.

(高接)

3

4

가

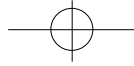
가

3

2~3

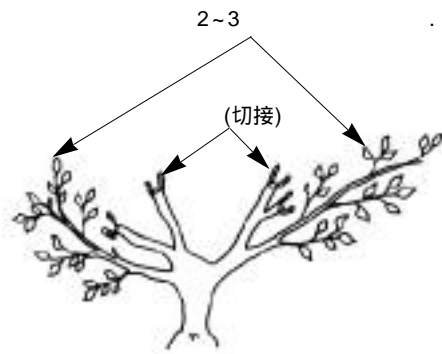
(





) 가 .
 1 가
 가 가
 가 가
 가 가
 가 가
 가 가

(腹接) (切接)



1.



2.

3.

2

가

1

1~2

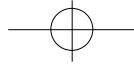
8~10

가

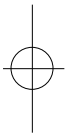
가

가





가 . 가
 가 가
 가 가 가
 가 2 가
 가 ,
 2 .

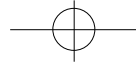


4.

가

5





가 가

가 가

M16A

M16A

M16A

M16A

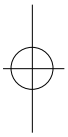
가

1

M16A

가

()



2 .

()

1.

1) (芽接)

9

10

가

7

20

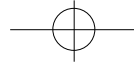
8 20

1

가

9~10





가

가 9

가

2) (切接)

3

5

2

3

가

가

가

가

가

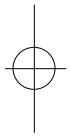
가

가

7~9

가

가



2.

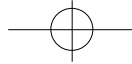
, () ,
가

가

가

가





12

가

가

가

3

15~20cm

45~50cm가

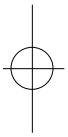
가

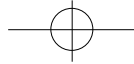
80~90cm가

[1] 가

		7/13	7/27	8/7	8/15	8/25	9/8	9/17	9/27	10/8	10/18	10/29	11/9	11/19	11/29	12/9
A	(mm)	41.0	58.8	65.1	70.0	71.7	74.7	80.9	82.9	86.0	89.3	93.7	95.3	97.0	97.5	97.5
	(mm)		50.0	56.4	60.4	64.5	67.6	73.7	75.6	80.7	84.4	89.7	91.4	91.9	93.1	93.2
B	(mm)	42.6	57.0	62.1	67.0	70.5	73.0	78.5	81.3	84.7	86.9	90.1	93.0	93.0	93.0	93.8
	(mm)		50.9	56.8	61.7	65.8	68.8	74.7	79.2	82.1	85.3	88.0	90.9	91.1	91.6	91.3

3.





가 .

4

.

가 () .

가 .
가

가

5

가 .

M16A

.

M16A

가 .

3 .

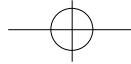
가

가 3~4 .

가 .

가 ,

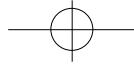




가

[2]

		7/13	7/27	8/7	8/15	8/25	9/8	9/17	9/27	10/8	10/29	11/9	11/19	11/29	12/9
A	(mm)	47.7	66.9	70.7	76.4	79.6	84.9	88.7	91.6	93.3	98.7	100.4	102.1	102.8	103.7
	(mm)		54.8	59.8	63.5	67.2	72.0	76.3	79.6	83.8	88.1	89.4	89.4	90.6	90.6
B	(mm)	42.6	66.3	69.4	73.3	77.1	81.4	83.0	85.6	89.5	94.3	95.8	96.1	98.0	98.0
	(mm)		55.9	59.7	63.6	67.1	72.0	76.7	78.5	82.8	87.1	88.5	89.1	89.3	89.6
A	(mm)	41.0	63.5	68.6	71.4	76.0	77.7	81.0	84.1	87.2	90.6	92.3	93.2	93.5	93.5
	(mm)		54.3	59.1	63.2	66.8	70.5	75.3	78.4	84.7	87.2	89.2	90.0	89.8	89.8
B	(mm)	46.0	64.9	69.4	73.9	77.7	82.6	86.0	88.6	91.2	95.4	96.9	98.5	98.5	99.0
	(mm)		55.0	59.0	63.8	67.1	71.9	76.4	79.3	83.0	88.0	88.6	89.0	90.0	90.0



3 .

1 .

가

가 가

. ,

가 가

가

가가

가

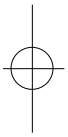
가

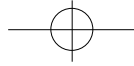
1

2 .

가

가





가

가 .

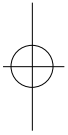
가

가

가 .

3 .

가



3

가

가

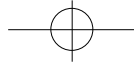
(耐寒性)

가

가 .

40





4 . .

1 . (幼木)

3 ,
(10a 5)
27~30cm
()가
가

가 3~4

가 3가 가
. 가

가 가

가

1

가
가

가

가

가

가

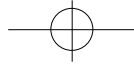
1

3

가

2~3





2 . (成木)

가

가

가

가

가

가

가

가

가

가

가

가

2~3

가

가

가

가

가

가

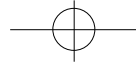
가

3 .

가

가





가

2

가

가 ,

. 2

가

7

가

40%

가

가

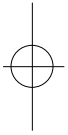
가 . 가

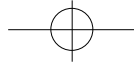
가 가

가 .
가

가

가 .
가





5 . .

1 .

가 1 , 2 가

. 1

5

6

2

6

6

가

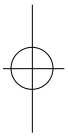
가

가

가 27 ,

가 20

가



2~3

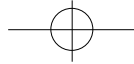
2 . (摘蕾)

가

가

가





1.

가

()

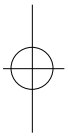
(總狀花)

가 . 가
70~80%

가

가
가
가

가
가
가



가

가

7 10

가

20%

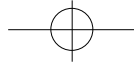
가

8

가

가





가
10kg()
13kg

1 300g
1 3g
100
가 300g 150

가 6 가 10~20cm

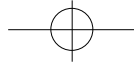


1.



2





2. () () ()

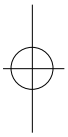


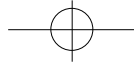
3. () () ()

3 .

5 7 , 8
8
() 가 .

가 7
가 12
가 . 1 7~9 가
가 .





4. () ()

가

가

가

가

가

가



(20~30mm)

5

10mm

10

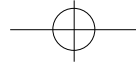
10

가

5. 가 ()

1~2



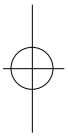


3cm
 가 가
 가 가 가
 가 가 .

가
 가
 10

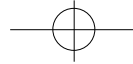
가

가 10 가 12 ,
 1.2% 1~2
 13 , 0.9% 가 .



6. 가

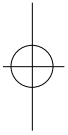


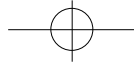


[4]

		9/9	9/20	9/30	10/9	10/20	10/31	11/10	11/20	11/30	12/10	12/20	12/30	1/19	3/27	5/3	5/8	6/11
A B-2	上	8.9	9.1	8.9	9.6	9.5	10.6	11.9	12.4	12.4	14.1	15.8	15.3			15.6		
	中	8.3	8.4	8.7	9.6	9.3	10.9	10.9	11.6	12.4	12.9	14.0	15.7			13.5		
	下	8.6	8.7	8.7	8.7	9.2	10.0	10.7	12.0	11.3	12.7	13.8	14.7			14.5		
B C-2	上	8.3	8.5	8.6	8.8	9.0	10.1	10.7	10.8	11.5	11.9	12.8	12.6	13.7	14.9	14.7		15.0
	中	8.2	8.2	8.2	8.4	8.9	10.0	10.2	10.8	11.1	11.2	11.8	12.8	14.0	15.8	14.9		14.6
	下	8.0	8.0	8.1	8.4	8.9	9.5	9.3	9.8	10.2	11.0	12.3	11.9	12.6		15.1		
C C-1	上	8.2	8.5	8.6	8.9	9.8	10.4	11.8	11.2	12.3	12.3	13.1	13.2	15.3		15.6	15.8	14.5
	中	8.1	8.2	8.1	8.4	9.3	11.1	12.2	11.9	12.0	12.6	12.4	12.6	13.3	14.5	15.2	15.4	15.6
	下	7.9	8.1	8.1	9.0	9.0	9.4	9.9	10.4	10.6	11.8	11.6	13.8	14.1	13.3	13.3		
D B-1	上	8.8	8.8	8.5	9.3	10.5	11.3	11.9	12.7	12.2	12.3	14.2	14.9		15.5		15.0	
	中	8.7	8.9	9.0	8.9	9.6	10.7	12.1	12.2	11.9	13.4	14.6	13.6		15.4		14.9	
	下	8.5	8.6	8.7	9.3	9.5	10.0	11.6	11.9	12.1	14.4	13.9	15.2					

) , , , . 가





6 .

1 .

2~3

가

가

가

1.5

가

가

50cm

가

가

2 .

가

가

가

가

가

10~20%

10a

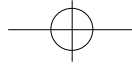
가

가

가

10~13kg





가 N:P:K 10a 54kg
10:7:7

1.

1 , 2 .

300 15~18kg .

300 5~6kg, 2 ~ 3 50~60 4 ~
5 5~6kg .

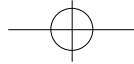
6 ~ , 8 ~ 9 , 10 10a
5~6kg 10a 54kg

[5]

(10a/kg)

	(N)	(P)	(K)
1月中 ~ 2月中	15 ~ 18kg	12 ~ 13kg	12 ~ 13kg
2月下 ~ 3月上	5 ~ 6kg	4 ~ 5kg	4 ~ 5kg
4月下 ~ 5月上	5 ~ 6kg	4 ~ 5kg	4 ~ 5kg
6月中 ~ 6月下	5 ~ 6kg	4 ~ 5kg	4 ~ 5kg
8月下 ~ 9月上	5 ~ 6kg	4 ~ 5kg	4 ~ 5kg
10月上	5 ~ 6kg	4 ~ 5kg	4 ~ 5kg
計	54kg	38kg	38kg





가

가

가

2~3

10a 2~3t
4~6kg

2.

20%

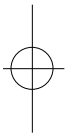
가 가 가

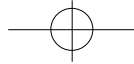
3 .

가 (20)
40g 4

, 1 3 ~ 4 (20)
40g , 10

(4) 3~4
2 7 ,





2

1

7~8

2

가

11

2

[6]

1 . ()		1~2 40g,	,
3 ~ ()	, 4	10 3~4 40g,	, ,
~7	+	10 3~4 (20 /40g)	, ,
(4 ~ ~)		2 2 (, 1)	, ,
7 ~ 8		2 2 ()	
11 .		2 2 ()	, ,

4 .

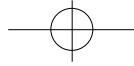
1.

가

가

.





가

가

300~400

1

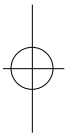
2

가

가

2.

가



가

3.

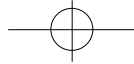
가



8.

가





1~2

가

가 가

가

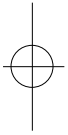
5

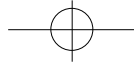
가

가

가 가

가





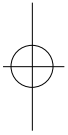
7 .

1 .

가

가

2 .



가

1

가

10a 20 ~ 30mm

(20~30t)

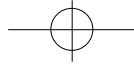
가

가

10

가





3 .

가

가 가

가

(

)

가

3

4

5

2~3

7~10

()

가

가

가

6

6

가

가

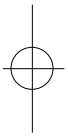
가

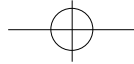
가

가

5~7

9





가

가

5 .

1.

가

가

2.

가

가

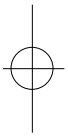
가

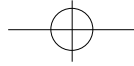
3.

가

)

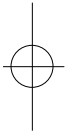
(

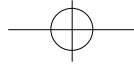




가
가

10 2
가





8 .

1 .

•

, , 가 가 ,

5~6



9.



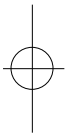
10.

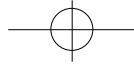
•

가



11.





가

가 (가)

가
가

가

, 가 ,

가

가



6

9
가

12.

가

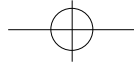
가

가

가

가





가

•

가

가

가

가

가

(),

(),

()

•

9

가

가



13.

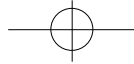
가

가

가

가





가

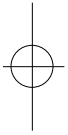
, , , .
• , , ,
, , , , , ,

가 .

, ,

()

.



가 , (寒害)
가 가

가

가 .

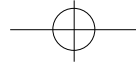
, ,
.

2

가

, , 가





가

가

가 .

2~3

•

9~10

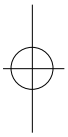
가 가 가

가

가

,

가



가

가

. ,

가

2

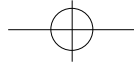
가

.

가

•



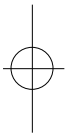


14.



15.

()



3

()

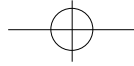
가

가

가

가

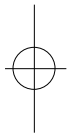




가 . 가

가

가



가

가



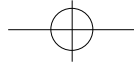
, 가

가

16.

()





, 가

4 6 1 10g 20kg
()

가

가

가 가

가

가

가

가

가 가

(

20

40~80g,

40~80g)

• 가 ()
가 가

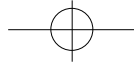
가

가

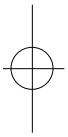
가

17.





18. 가 ()



가 .

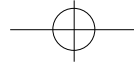
가

, .

가 가

.





9 . . .

1 .

1.

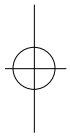
12

1

2

12

1.2%



가

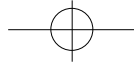
가 가



19.

가





2.

가

가

3~4

가



20.

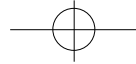
3.

가

1

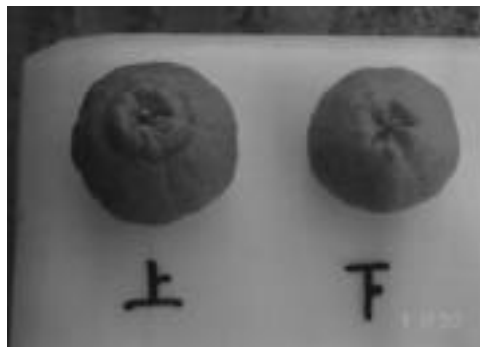
가





가 2 . 가 가

가 , 가



21. ()



22. 2

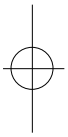
2 .

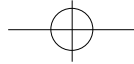
1.

1

가

2





23. () () ()
() ()

24. () ()

2~3

1

2~3

1

2

가

8~10

3

2.





가

가

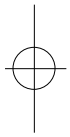
1 . 1
 1 . 2
 2 . 2



25. 2



26. 가
()

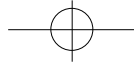


27. ()



28.





가

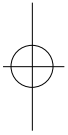
3.

가

가

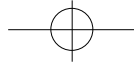
+

2



29.





가 .

20 가 .

가 20 가 .

가 가 5

가 가 , , , ,

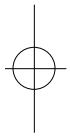
가 가 가

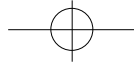
3 .

1.

가 13 , 0.9% 가 .

가 1% ,





가 .

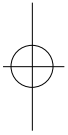
가 .

0.9% 가 가

가 .

0.9% 가 가 13 ,

2. 가



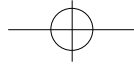
가 .

가 0.9%

6 12 10 3kg

300g





가

3.

가 가

3kg

(果數)가 6

12

300g

가 3kg

10 가

1
가

가

가

가

가

가

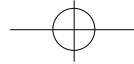
가

가

가

가





10 .

1 .

가 . 가

가

가

()

가

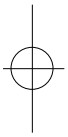
가

2~3

가

4

3~4



, 가

가

가

가

가 .

가

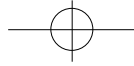
1

3

1~2

가





2
40%

3

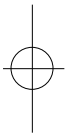
가

가

40%

가

가 4



2

3

가

가



30.

(

31.

()

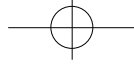
(

)

가

)





4

2~3

), ,

(

가

가

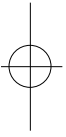
가

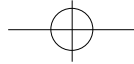
가

가

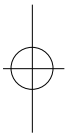
가
가

가





가 .가 2 (가)
 가 가 16 5
 가 .가 가
 가
 16 .가
 10a 3
 .가 5
 가 16 가
 .가 16 가
 가 ()
 .
 12 , 1.1% 가 12
 15 1
 가



[7] 가

		7/13	7/27	8/7	8/15	8/25	9/8	9/17	9/27	10/8	10/18	10/29	11/9	11/19
A	(mm)	74.0	78.2	82.0	86.1	88.4	91.6	93.5	95.0	97.0	98.0	100.1	100.1	101.8
	(mm)		78.1	82.4	85.5	89.3	92.8	95.9	97.5	100.7	102.3	103.5	103.7	105.6
B	(mm)	63.9	66.3	69.0	71.4	74.3	77.6	78.8	79.3	81.2	82.0	83.3	83.3	83.3
	(mm)		69.2	73.1	76.5	79.5	84.7	87.5	89.8	93.6	95.3	96.6	98.6	100.5

2 . 가

가

가



