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!B @ 0 = 8 F 0 1/3

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; 5 0 = 4 J @ ( 7 > : C <) - Nerium oleander

gradinar, ? 5 B J : 25 4 5 : 5 < 2 @ 8 2009 - 12:24:33

; 5 0 = 4 @ 8 B 5 - B 5 7 8 ? @ 5 : @ 0 A = 8 2 5 G => 7 5 ; 5 = 8 E @ 0 A B 8 A 4 J ; 3 8 8  
B 5 A = 8 : > 6 5 A B 8 ; 8 A B 0 8 8 7 O I = 8 5 4 @ 8 F 2 5 B > 2 5 , @ 0 7 F J D 2 0 B ? @ 8  
? J @ 2 0 B 0 = 5 6 = 0 ; 0 A : 0 = 0 B > ? ; 8 O 2 ; 0 6 5 = 2 O B J @, ? > ; J E 2 0 I  
> B N 3 . O B J @, : > 9 B > 4 > 2 O 2 0 4 0 ; 5 G 5 = 0 @ > < 0 B = 0 < > @ 5 8 ? O A J :  
8 A 5 A : 8 B 0 A @ 5 4 > 1 ; 5 = 8 B 5 2 A 2 5 B ; 8 = 0 7 5 < 8 . B B 5 7 8 < 5 A B 0 5  
? @ 5 = 5 A 5 = 7 > : C < J B . = > 3 > > B 4 0 2 = 0 B > 9 5 ? @ 5 : @ 0 G 8 ;  
? @ 5 4 5 ; 8 B 5 = 0 ! @ 5 4 8 7 5 < = > - < > @ 8 5 B > 8 A C 1 B @ > ? 8 F 8 B 5 = 0  
7 8 O , 7 0 4 0 A 5 ? @ 5 2 J @ = 5 2 ; N 1 8 < > 4 5 : > @ 0 B 8 2 = > @ 0 A B 5 = 8 5 8  
? > = 0 H 8 B 5 H 8 @ 8 = 8 . : 0 : 4 0 = 5 A 5 E 0 @ 5 A 2 0 , : 0 B > ? @ 8 B 5 6 0 2 0  
B 0 : > 2 0 5 : 7 > B 8 G => 8 7 ; J G 2 0 = 5 8 G 0 @ . A 0 < > B > 8 < 5  
" > ; 5 0 = 4 J @ " 8 < 0 < 5 : > B 0 8 G C 2 A B 2 5 => A B . 0 8 < 5 => 2 0 = 8 5 B > = 0  
B > 7 8 : @ 0 A 0 2 5 F A 5 4 @ 8 C E 0 == 8 A J F 2 5 B 8 O ? @ > 8 7 ; 8 7 0 > B " > ; 5 > -  
< 8 @ 8 7 ; 8 2 8 " 0 = 4 @ 5 " - 5 4 8 = > B 3 @ J F : 8 B 5 > A B @ > 2 8 , : J 4 5 B > 5  
2 8 4 O = 7 0 ? @ J 2 ? J B > B 1 > B 0 = 8 F 8 B 5 - 8 7 A ; 5 4 > 2 0 B 5 ; 8 . 0 @ 8 G 0 B 3 >  
> 1 5 7 > : C < 8 ; O =.

@ > < 0 B = 8 B 5 F 2 5 B > 2 5 A 5 ? > O 2 O 2 0 B ? @ 5 7 ; O B > B > 2 A J F 2 5 B 8 O  
= 0 4 C 4 J ; 6 5 = > 5 ; 8 ? A > 2 8 4 = 8 B 5 ; 8 A B 0 . 4 J @ 2 5 = O ; > B >  
A B J 1 ; > 8 A > : J B A 0 > B @ > 2 = 8 .

**B 3 ; 5 6 4 0 = 5:**

" 5 < ? 5 @ 0 B C @ 0 :

# < 5 @ 5 = 0 B > ? ; 8 = 0 - < 8 = 8 < 0 ; = 0 7 ° ! ? @ 5 7 7 8 < 0 B 0 .

**& J D B 5 = 5:**

. = 8 4 > > : B > < 2 @ 8 .

**O A B >:**

! ; J = G 5 2 >, 3 > @ 5 1 >, 7 0 1 8 B 5 => > B 4 J 6 4 .

**! 2 5 B ; 8 = 0:**

7 1 8 @ 0 A 5 2 J 7 < > 6 = > = 0 9 - A ; J = G 5 2 > B > < O A B > .

**> G 2 0:**

; 8 = 5 A B > - E C < C A = 0 3 @ 0 4 8 = A : 0 ? @ J A B , > ? B 8 < 0 ; = 0 ? @ J A B .

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!B @ 0 = 8 F 0 2/3

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**> ; 8 2 0 = 5:**

@ 5 7 ; O B > B > ? > ; 8 2 0 9 B 5 > 1 8 ; = >. ; 5 0 = 4 J @ J B > 1 8 G 0 4 0 8 < 0  
2 > 4 0 2 ? > 4 ; > 6 = 0 B 0 G 8 = 8 O.

" > @ 5 = 5:

> : @ 0 O = 0 < 5 A 5 F 0 2 3 C A B ? > 4 E @ 0 = 2 0 9 B 5 2 A O : 0 A 5 4 < 8 F 0.

**; 0 6 => A B = 0 2 J 7 4 C E 0:**

= 5 ? C ; 2 5 @ 8 7 8 @ 0 9 B 5 ; 8 A B 0 B 0.

**@ 5 A 0 6 4 0 = 5:**

0 : > 5 = 5 > 1 E > 4 8 < >, ? @ 5 7 ? @ > ; 5 B B 0.

**@ 5 7 8 < C 2 0 = 5:**

@ 5 4 8 4 0 3 > ? @ 8 1 5 @ 5 B 5 1 ; 5 4 8 B 5 8 < = > 3 > 4 J ; 3 8 8 7 4 J = : 8  
B @ O 1 2 0 4 0 A 5 8 7 @ 5 6 0 B. J @ 6 8 A 5 0 A 2 5 B ; > 8 ? @ > E ; 0 4 = > (4-8 °!).  
> ; 8 2 0 9 B 5 < 0 ; : >. C 6 = 0 < C 5 ? > 2 5 G 5 B > ? ; 8 = 0 > B < 0 @ B 7 0 4 0  
? > 4 ? > < 0 3 0 @ 0 == > B > > 1 @ 0 7 C 2 0 = 5 = 0 F 2 5 B > 2 5. > - < ; 0 4 8 B 5  
@ 0 A B 5 = 8 O B @ O 1 2 0 4 0 A 5 ? @ 5 A 0 6 4 0 B 2 A O : 0 ? @ > ; 5 B, 0 ? > - A B 0 @ 8 B 5 -  
? > - @ O 4 : >.

**@ 5 4 8 B 5 ; 8, 1 > ; 5 A B 8:**

0 9 - G 5 A B > - ; 8 A B = 8 2 J H : 8 8 1 8 B > == > A = 8 2 J H : 8, 0 : 0 @ 8, Ascochyta  
(3 J 1 8 G = > 7 0 1 > ; O 2 0 = 5), > ; 5 0 = 4 @ > 2 @ 0 : (1 0 : B 5 @ 8 0 ; = >  
7 0 1 > ; O 2 0 = 5).

**0 7 < = > 6 0 2 0 = 5:**

; 5 0 = 4 @ 8 B 5 A 5 @ 0 7 < = > 6 0 2 0 B ; 5 A = > A J A 7 5 ; 5 = 8 A B J 1 ; 5 = 8  
@ 5 7 = 8 F 8. 7 ? > ; 7 2 0 9 B 5 > B @ O 7 0 = 8 B 5 ? @ 8 ? > 4 : 0 A B @ O = 5 B >  
: : > = : 8. 0 ; > 6 5 B 5 3 8 7 0 2 : > @ 5 = O 2 0 = 5 2 A J 4 A 2 > 4 0, 2 ? 5 @ ; 8 B,  
? O A J : 8 ; 8 B > @ D. " 0 < B 5 1 J @ 7 > 1 5 ? C A = 0 B : > @ 5 = G 5 B 0 ? @ 8  
> ? B 8 < 0 ; = 0 B 5 < ? 5 @ 0 B C @ 0 1 8 - 2 0 o!. 0 A 0 4 5 B 5 3 8 2 < 0 ; : 8 A 0 : A 8 9 : 8  
8 ? 0 @ 0 ; 5 ; = > A = 0 @ 0 A B 2 0 = 5 B > 3 8 ? @ 5 E 2 J @ ; O 9 B 5 2  
? > - 3 > ; 5 < 8 A J 4 > 2 5. @ 5 A 0 6 4 0 9 B 5 < ; 0 4 8 B 5 @ 0 A B 5 = 8 O  
5 6 5 3 > 4 = >, 0 2 J 7 @ 0 A B = 8 B 5 - = 0 2 A 5 : 8 B @ 8 3 > 4 8 = 8.

**! J 2 5 B 8:**

A 8 G : 8 G 0 A B 8 = 0 ; 5 0 = 4 J @ 0 A 0 > B @ > 2 = 8.

& 5 ; 5 1 = 8 B 5 : 0 G 5 A B 2 0 = 0 7 > : C < 0 A 0 4 > 1 @ 5 8 7 2 5 A B = 8 = 0  
; 5 G 8 B 5 ; 8 B 5. ; 8 A B 0 B 0, : > @ 5 = 8 B 5 8 A 5 < 5 = 0 B 0 = 0 > ; 5 0 = 4 J @ 0  
A 5 A J 4 J @ 6 0 B < = > 6 5 A B 2 > 2 5 1 5 A B 2 0, : > 8 B > 2 ; 8 O O B 2 J @ E C  
A J @ 4 5 G = 0 B 0 4 5 9 = > A B - ? > 4 > 1 @ O 2 0 B : @ J 2 > > 1 @ 0 1 5 = 8 5 B >,  
C 2 5 ; 8 G 0 2 0 B A 8 ; 0 B 0 = 0 A J : @ 0 1 5 - = 8 O B 0 = 0 A J @ 4 5 G = 8 O < C A : C ;  
7 0 1 0 2 O B G 5 A B > B 0 B 0, C : @ 5 ? 2 0 B : 0 ? 8 ; O @ 8 B 5. " 5 7 8 A 2 > 9 A B 2 0 = 0  
7 > : C < 0 3 > ? @ 0 2 O B F 5 == 0 A C @ > 2 8 = 0 7 0 ; 5 G 5 1 = 8 ? @ 5 ? 0 @ 0 B 8,  
: > 8 B > A 0 > A > 1 5 = > 5 D 8 : 0 A = 8 ? @ 8 A J @ F 5 1 8 5 = 5, 0 @ 8 B < 8 8,  
A J @ 4 5 G = 8 ? > @ > F 8 8 = 5 4 > A B 0 B J G = > : @ J 2 > > 1 @ 0 1 5 = 8 5.

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!B @ 0 = 8 F 0 3/3

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> @ 0 4 8 B > 2 0, G 5 A 0 B > : A 8 G = 8 8 8 < 0 B A : ; > ==> A B 4 0 A 5  
= 0 B @ C ? 2 0 B 2 > @ 3 0 = 8 7 < 0, ; 5 G 5 = 8 5 B > A ; 5 : 0 @ A B 2 5 = 8 A @ 5 4 A B 2 0  
> B > ; 5 0 = 4 J @ B @ O 1 2 0 4 0 A 5 > A J 1 5 A B O 2 0 A 0 < > ? > ; 5 : 0 @ A : >  
? @ 5 4 ? 8 A 0 = 8 5 8 A B @ > 3 < 5 4 8 F 8 = A : 8 : > = B @ > ;  
0 @ > 4 = 0 B 0 < 5 4 8 F 8 = 0 ? @ 5 ? > @ J G 2 0 7 > : C < 0 ? @ 8 3 ; 0 2 > 1 > ; 8 5,  
1 5 7 A J = 8 5, = 5 @ 2 => 8 7 B > 1 5 = 8 5, < > 7 J G = 8 8 = A C ; B 8. 0 F 5 ; B 0  
? > - 1 5 7 > ? 0 A => 8 @ 5 7 C ; B 0 B => 5 2 4 8 H 2 0 = 5 B > = 0 0 @ > < 0 B 0 = 0  
@ 0 A B 5 = 8 5 B > 2 ? @ > 4 J ; 6 5 = 8 5 = 0 ? 5 B < 8 = C B 8. ; 5 0 = 4 J @ J B 5 A  
? > 4 G 5 @ B 0 = ? @ > B 8 2 > < 8 : @ > 1 5 = 5 D 5 : B. ! ? 5 F 8 0 ; = 8 7 0 ? 0 @ : 8 A 5  
8 7 ? > ; 7 2 0 B 2 J = H => 7 0 ? @ > < 8 2 : 8 8 : > < ? @ 5 A 8 ? @ 8  
@ 5 2 < 0 B 8 7 J <, 5 : 7 5 < 8, ; 8 H 5 8 8 4 > @ 8 ? J @ E > B.