

&

/ & " /

!B @ 0 = 8 F 0 1/3

---

**C H : 0 B > - Pelargonium**

gradinar, A @ O 4 0 10 A 5 ? B 5 < 2 @ 8 2008 - 12:28:06

-  
**C H : 0 B > B >** 5 @ > 4 <=> 3 > 3 > 4 8 H = 8 @ 0 A B 5 = 8 O, ? @ > 8 7 ; 8 7 0 1 8 > B  
. 6 = 0 D @ 8 : 0. 0 B 8 = A : > B > = 0 8 < 5 => 2 0 = 8 5 8 4 2 0 > B 3 @. Ä µ » ± Ä ³ į Ä  
(pelargos) I J @ : 5 ; ? > @ 0 4 8 ? @ 8 ; 8 : 0 B 0 < 5 6 4 C D > @ < 0 B 0 = 0  
A J F 2 5 B 8 5 B > 8 3 ; 0 2 0 B 0 = 0 I J @ : 5 ; 0. J ; 3 0 @ A : > B > = 0 7 2 0 = 8 5  
< C H : 0 B > 5 A 2 J @ 7 0 => A = 5 ? @ 5 B 5 = F 8 > 7 => A B B 0 = 0  
F 2 5 B 5 B >, : > 5 B >, : J 4 5 B > 8 4 0 3 > < C H = 5 H , ; 5 A => A 5  
? @ 8 E 2 0 1 0.

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

> 4 J B = 0 1 @ > O 2 0 = 0 4 4 0 0 2 8 4 0, 2 : ; N G 8 B 5 ; = > 3 > ; O < 1 @ > 9  
E 8 1 @ 8 4 8. 0 7 = > 2 8 4 => A B 8 B 5 A 0 > 1 5 4 8 = 5 = 8 2 = O : > ; : >  
> A = > 2 = 8 3 @ C ? 8: > = 0 ; = 8 Pelargonium zonale, B > 2 0 A 0 ? > 2 5 G 5 B >  
3 @ 0 4 8 = A : 8 2 8 4 > 2 5;  
» 4 @ > F 2 5 B = 8 0 = 3 ; 8 9 A : 8 Pelargonium regale, B. = 0 @ . : @ 0 ; A : 8 2 8 4 > 2 5,  
0 A J I > 8 4 > < 0 H = 8;  
» < ? 5 ; = 8 Pelargonium peltatum, 2 8 A O 1 8 B 5 2 8 4 > 2 5 8 ; 8 B. = 0 @.  
A 0 : J 7 G 5 B 0;  
» J E 0 2 8 (A J I > 0 @ > < 0 B = 8 8 ; 8 ? J A B @ > ; 8 A B = 8 ) ( Pelargonium graveolens), 8 7 ? > ; 7 2 0 = 8 2 ? 0 @ D N < 5 @ 8 O B 0 7 0 @ 0 4 8 0 @ > < 0 B 0 A 8;  
» ! C : C ; 5 = B = 8 Pelargonium cucullatum.

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

A > @ B > 25. "> 20 A 0 < C H : 0 B 0 A > 18 :=> 25 = 8, => <=> 3 > 1 @ > 9 = 8  
F 25 B > 25, :> 8 B > A 5 A 0 <> ?> G 8 A B 2 0 B.

7 2 5 A B = 8 A > @ B > 2 5 A 0:

- @ 0 4 0 @ 8 6", @ > 7 > 2, > 1 8 :=> 2 5 =, 2 8 A O 1 8 A B J 1 ; 0 4 J ; 3 8 4 >  
1, 5 <, ? @ 0 @ > 4 8 B 5 ; = 0 A B J ? 0 ; > 2 8 4 => 2 8 A O 1 8 B 5 A > @ B > 2 5.

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

- < 5 B 8 A B", B J <=> ; 8 ; 0 2, ? >; C : 8 G 5 A B, : J A 8 2 8 A O 1 8 A B J 1 ; 0.

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

- 5 : A 8 : 0 = : 0", 1 O ; > A G 5 @ 2 5 = @ J 1, 5 4 @ 8 : 8 G 5 A B 8 F 2 5 B > 2 5,  
2 8 A O I, 2 8 @ 5 5 8 2 ? >; C A O = : 0.

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

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

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

4 5 : > @ 0 B 8 2 => B > 3 @ 0 4 8 = 0 @ A B 2 > A 5 > B 3 ; 5 6 4 0 ? @ 5 4 8 <=>  
2 8 4 J B Pelargonium zonale, :> 9 B > ? > = 0 A B > O 1 5 < 8 < 0 B > ; :> 2 0 <=> 3 >  
A > @ B > 2 5 8 D > @ < 8, G 5 3 >; O < 0 G 0 A B 4 > @ 8 = O < 0 B = 0 7 2 0 = 8 5.

5 @ 8 > 4 = 0 F J D B 5 = 5: ? @ 8 ; 4 > > : B > < 2 @ 8. :> 3 8 4 J @ 6 8 B 5 = 0  
B > ? ; > 8 A 2 5 B ; > ? @ 5 7 7 8 < 0 B 0 I 5 2 8 @ 0 4 2 0 B A > 1 8 ; 5 = F J D B 5 6 8  
B > 3 0 2 0.

@ > 8 7 E > 4: . 6 = 0 D @ 8 : 0.

A A B > @ 0 A B 5 = 5: ! ; J = G 5 2 > 4 > ? >; C A 5 = G 5 A B >.

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

&

/ & " /

!B @ 0 = 8 F 0 3/3

---

0 A 0 6 4 0 = 5: C ? 5 = 8 B 5 3 > B > 2 8 8 ; 8 > B 3 ; 5 4 0 = 8  
A 0 < > A B > O B 5 ; => (-> 0 7 < => 6 0 2 0 = 5) < ; 0 4 8 @ 0 A B 5 = 8 O A 5  
7 0 A 0 6 4 0 B = 0 @ 0 7 A B > O = 8 5 2 0 A < 5 4 => > B 4 @ C 3 >.

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

@ C 3 8 3 @ 8 6 8: @ 5 F J D B 5 ; 8 B 5 F 2 5 B > 2 5 A 5 > B A B @ 0 = O 2 0 B  
@ 5 4 > 2 => (? @ 8 A > @ B > 2 5 B 5, : > 8 B > = 5 A 5 ? > G 8 A B 2 0 B A 0 < 8).

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

@ 5 4 8 B 5 ; 8, 1 > ; 5 A B 8: 8 A B = 8 2 J H : 8, 0 : 0 @ 8, 1 5 ; 8 < C E 8, A 8 2 >  
3 = 8 5 = 5, < C H : 0 B > 2 > C 2 O E 2 0 = 5.

**0 7 < => 6 0 2 0 = 5:** 0 7 < => 6 0 2 0 A 5 G @ 5 7 A B J 1 ; 5 = 8 @ 5 7 = 8 F 8  
? @ 5 7 A 5 ? B 5 < 2 @ 8, : 0 B > A 5 > A B 0 2 O B 4 0 ? > 7 0 A J E = 0 B 7 0 = O : > ; : >  
G 0 A 0 8 A ; 5 4 B > 2 0 A 5 7 0 1 > 6 4 0 B 2 ? > - 4 J ; 1 > : 8 A J 4 > 2 5 A 1 > 3 0 B 0  
E C < C A = 0 ? > G 2 0, ? @ 8 < 5 A 5 = 0 A ? O A J : 8 ; 8 ? 5 @ ; 8 B. " 0 : 0  
@ 5 7 = 8 F 8 B 5 ? @ 5 7 8 < C 2 0 B 2 C < 5 @ 5 = > B > ? ; > ? > < 5 1 5 = 8 5.  
@ 5 7 < 0 @ B 2 A O : > @ 0 A B 5 = 8 5 A 5 ? > A 0 6 4 0 2 A 0 : A 8 O N o 10 - 11, : J 4 5 B >  
? > : 0 @ 2 0 B 8 A ; 5 4 B > 2 0 A 5 ? @ 5 A 0 6 4 0 B = 0 ? > A B > O == > < O A B >.  
@ 5 7 ? @ > ; 5 B B 0 ? @ 5 4 8 ? @ 5 A 0 6 4 0 = 5 B >, A B 0 @ 8 B 5 @ 0 A B 5 = 8 O  
4 > 1 @ 5 A 5 > 1 @ O 7 2 0 B, : 0 B > A 5 A J : @ 0 1 0 2 0 B A B @ 0 = 8 G = 8 B 5  
: ; > = : 8.

= > 3 > : @ 0 A 8 2 8 8 7 3 ; 5 6 4 0 B = 0 ? @ 8 < 5 @ @ > 7 > 2 8 B 5 2 8 A O 1 8  
< C H : 0 B 0 4 > : 0 @ 4 8 = 0 ; > 2 > G 5 @ 2 5 = 8 B 5 A > @ B > 2 5 Z o n a l 8 ; 8  
; 8 ; 0 2 8 B 5 P e l t a f u m - E 8 1 @ 8 4 8 4 > 1 5 ; 8 B 5 A B > O 1 8 < C H : 0 B 0. @ 8  
2 A 8 G : 8 A ; C G 0 8 = 0 ? @ 0 2 5 B 5 ? > = 5 5 4 = > ? 5 = 7 8 @ 0 = 5 ? @ 5 7  
? @ > ; 5 B B 0 8 7 0 A 0 4 5 B 5 ? > 5 @ 0 A B 5 = 8 O 2 A 0 = 4 J G 5 B 0 > B ? > 5 0 A <.

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