

; 828 O - Clivia

gradinar, = 545; O 08 < 0 @ B 2009 - 15:25:21

@ 57 A5?B5<2 @ 81815 3>48=0 5 >B:@ 8B0 70 ?J @ 28 ?JB ;828OB0 2  
.6=0 D @ 8:0 >B 5AB5AB2>87?8B0B5;O #8;O< J @ G5;. @ 571828  
3. 1>B0=8:0 6>= 0=4;8, >?8A20 @ 0AB5=8OB0 2=5A5=8 2  
=3;8O, :0B>Clivia nobilis, 2 G5AB=0 5948 (0 @ ;>B \$;> @ 5=B8= ;092  
- C:5A0 =0 > @ BJ<1J @ ;5=4.

;828OB0 ? @ 8=04;568 :J< A5<59AB2> >:8G528 (Amaryllidaceae;  
Haemantheae).

>=0H8 4=8 8<0 ?5B >?8A0=8 2840 ;828O 8<5=>20=8  
AJ>B25B=>C. nobilis, C. miniata, C. gardenii, C. caulescens 8C. mirabilis. @ C30 A?5F8D8G=0  
D> @ <0 ?>7=0B0 :0B>"1;0B=0 ;828O" 5 >B:@ 8B0 2 N65=  
20 C;C- 0B0;(.6=0 D @ 8:0).

;828OB0 (Clivia) 5 <564C >A>15=> >18G0=8B5 ? @ 54AB028B5;8  
=0 A5<. <0 @ 8;8A>28. 0;:8OB @ >4, :J< :>9B> ? @ 8=04;568,  
8<0 A0<>5 2840, :>8B> 8420B >B .6=0 D @ 8:0. ">20 A0 B @ 528AB8  
@ 0AB5=8O A 54 @ > :JA> :> @ 5=815 8 4515;8 <5A5AB8 :> @ 5=8.  
B :> @ 5=815B> 87;870B 42CAB @ 0==> @ 07?>;>65=8 ?;JB=8  
;5=B>284=8 ;8AB0 A BJ<=>75;5= F2OB. @ 57 2A5:8  
2535B0F8>=5= ?5 @ 8>4 A5 >1 @ 07C20B ?>4-5 =>28 ;8AB0, :>8B>  
87B @ 0920B ?>=O:>;> 3>48=8.

09-G5AB> A5 >B3;5640 284JB Clivia miniata F8=>1J @ =0B0 ;:828O.  
@ 57 ? @ >;5BB0 A5 ?>O2O20 28A>: 8 ?;>AJ: F25B>=>A,  
C25=G0=>B10-12 87? @ 025=8 F2OB0, ?>4>1=8=0 B578=0  
E8?50AB @ C<0, => ?>-4 @ 51=8. 18:=>25=> A0 >F25B5=8 2  
> @ 0=652>, => 8<0 8 D> @ <8 A 6J;B8, : @ 5<028 8 G5 @ 25=8  
103 @ 8. &25B>25B5 A5 >B20 @ OB ?>A;54>25B5;=> 548= A;54  
4 @ C3, 70B>20 FJDB56=8OB ?5 @ 8>4 5 4J;J3. :> ? @ 0H8<  
87:CAB25=> F25B>25B5, A;549-10 <5A5F0 I5 8<0<5 C7 @ 5;8  
?;>4>25 O @ :8 8 : @ 0A828, > @ 0=652>-G5 @ 25=8=0 F2OB. 0 40  
FJDBOB, ;:8288B5 A5 =C640OB >B ?5 @ 8>4 =0 ?>:>9. ">9  
70?>G20 ? @ 57 A5?B5<2 @ 8 8 70 <;048B5 @ 0AB5=8O B @ 052  
<5A5F0, 0 70 ?>-2J7 @ 0AB=8B5 ?>-4J;3>. @ 57 A5?B5<2 @ 8  
?>;820=5B> A5 ? @ 5CAB0=>2O20 8 F25B5B> A5 =0AB0=O20 =0  
A25B;> <OAB> A B5<?5 @ 0BC @ 0>:>;>10 3 @ 04CA0. :> ;8AB0B0

70?>G=0B 40 ?>2OE20B, A5 ?>;820 AJ2A5< >A:J4=>. !;54  
:0B> ?>G82:0B0 ? @8::NG8, 70?>G20 2=8<0B5;=>B>  
?>;820=5, 70 40 =5 703=8OB :> @5=8B5. )>< A5 ?>O2OB  
=>28B5 ;8AB0, 2J2 2>40B0 A5 ? @8102OB @07B2> @8<8 B> @>25, 70  
40 =015 @5 @0AB5=85B> A8;8 8 40 FJD=5.

**B3;5640=5:**

0 A5 >B3;5640 ;828O =5 5 B @C4=>, 0:> A5 A?0720B =O:>9  
>A=>2=8 ? @028;0 A2J @70=8 A ?>G20B0, ?>;820=5B>,  
B> @5=5B>, A25B;8=0B0, B5<?5 @0BC @0B0, :0:B> 8 1>;5AB8B5 8  
2 @548B5;8B5 ?> BOE.

> 2 @5<5 =0 2535B0F8>==8O ?5 @8>4 ?>4E>4OI0  
B5<?5 @0BC @0 5 <564C15-20 !. ? @57 ;OB>B> 5 4>1 @5 40 A5  
87=0AO =0 >B: @8B> =0 AO=:0. B =>5<2 @8 4> O=C0 @8 8<0  
=C640 >B ?>G82:0, B.5. ?>GB8 =5 A5 ?>;820. @57 5A5=B0 8  
78<0B0 ;8AB0B0 A5 701J @A20B A 2;06=0 :J @?0.

:> >AB028B5 :> @5=8B5 8 ?>G20B0 =0 @0AB5=85B> 40  
70AJE=5, @J1>25B5 =0 ;8AB0B0 I5 AB0=0B :0DO28. " @O120 40  
?>;820B5 ;828OB0 A D8;B @8 @0=0 2>40, :0B> 704J;68B5;=>  
2=8<020B5 2>40B0 40 =5 70AB>O20 2 ?>4;>6:0B0.

;8288B5 B56:> ?>=0AOB ? @5A0640=5B>. "5E=8B5 :> @5=8  
A0 A>G=8, <5A5AB8 8 A;C60B :0B> @575 @2>0 @ =0 E @0=8B5;=8  
25I5AB20 8 2>40. @8 8720640=5B> >B A0:A8OB0 <>65 40 A5  
AGC?OB 8, >A>15=> ? @8 >18;=> ?>;820=5, 40 703=8OB.

> 2A5 ?0:, <8=0B ;82-3 3>48=8, A0:A8OB0 >B5A=O20 FO;0B0 A5  
87?J;20 >B =>2>>1 @07C20;8B5 A5 45B:8 8 B5E=8B5 :> @5=8.  
">3020 A5 =0;030 ? @5A0640=5. ;828OB0 2=8<0B5;=> A5  
8720640 >B A0:A8OB0 8 A5 >B45;OB 45B:8B5. !;54 B>20 A5  
70A0640 2 =>20 ?>G20, :0B> A0:A8OB0 A5 4 @5=8 @0 4>1 @5.  
J @28B53-4 4=8 =5 A5 ?>;820, 70 40 702OE=0B 525=BC0;=8B5  
@0=8 ?> :> @5=8B5. >AB5?5==> 2>40B0 A5 C25;8G020,  
4>:0B> 70?>G=5< 40 ?>;820<5 >18;=>, => <564C 425  
?>;82:8 A5 87G0:20 ?>G20B0 4>1 @5 40 ? @>AJE=5.  
@5A0640=5B> AB020 A;54 :0B> @0AB5=85B> ? @5FJDB8 8  
A @>:JB 7028A8 >B 8=48284C0;=8B5 CA;>28O =0 >B3;5640=5.

18G0 40 5 =0 A25B;> 4> ?>;CA5=G5AB> <OAB>. >4E>4OI>  
5 70 >B3;5640=5 =0 87B>G5= 8;8 70?045= ? @>7> @5F.  
;828OB0 =5 >18G0 40 1J45 ? @5<5AB20=0 8 28=038 B @O120 40  
5 >1J @=0B0 :J< A25B;8=0B0 >B 54=0 8 AJI0 AB @0=0, 70I>B>  
2 ? @>B825= A;CG09 =O<0 40 FJDB8.

**07<=>6020=5:**

0 40 O @07<=>68B5, @0745;5B5 A >ABJ @ =>6

4>1@5 @0728B8B5, 4>AB83=0;8 ?>=520 A<28A>G8=0  
AB@0=8G=8874J=:8A ?>45 ;8AB0 >B <09G8=>B> @0AB5=85.  
!B@0=8G=8B5874J=:8B@O120408<0BA>1AB25=8 :>@5=8.  
09-1;03>?@8OB=8OB<><5=B5 ?@>;5BB0.  
A;CG09, G5 =5 FJDB8(0:>=55A?075=42C<5A5G=8O ?>:>9)  
3> ?>:@89B5A ?>;85B8;5=8 ?>;8209B5AB ?>;02>40.

**!J25B8:**

1. ;8288B5=5>18G0B401J40BA045=82?@JAB."5E=8B5  
:>@5=8=5A0AJ74045=8406825OB2?@JAB,70B>20G5AB>  
873=820B,:0B>>AB020BA0<>=O:>9?>2J@E=>AB=8:>@5=8  
6828.0AB5=8OB0>F5;O20B,=>FJDBOB2O;>.  
2. >@5=8B5=0 ;8288B5878A:20B=0;8G85B>=0<=>3>  
:8A;>@>4>:>;>BOE."5<@07OB40A0<>:@8,408<0  
704J@60=5=02>40."56:8B53;8=5AB8?>G28A0;>H870  
BOE=>B>>B3;5640=5.  
3. 8A>:8B5A0:A88A5>BB8G0B?>-4>1@5>B=8A:8B5.  
8A>G8=0B0=0A0:A8OB0>?@545;O=59=0B0A?>A>1=>AB40  
?@>?CA:02>40B0,0:>?>G20B054>AB0BJG=>?>@5AB0.  
4. 040A5>BB8G02>40B0A5878A:20D878G5A:02@J7:0<564C  
4J=>B>=0A0:A8OB08?>G20B0. :>A0:A8OB052J22J74CE08  
:J<=5O8<0?@8:@5?5=0?;JB=>G8=89:0,15A5?>;CG8  
?>4387=0;?;0AB?>G20.!C1AB@0B015459AB20:0B>  
?>?820B5;=03J10,:>OB>1587A<C:202>40B08=O<040O  
>AB02O40A5>BB5G5A2>1>4=>."0:0G5=5A;0309B5  
4@5=065=<0B5@80;=04J=>B>=0A0:A8OB0,0A;>65B5  
@0AB5=85B>2J@ECB028G:0A?OAJ:8;8<0B5@80;:>9B>  
?>5<02>40B0.  
5. >30B>A<5A20<5AC1AB@0B8A@07;8G5=@07<5@=0  
G0AB8F8B5,@57C;B0B0A5=0@8G0<0B@8F0. >;CG020A5B0:0,  
G5<0;:8B5G0AB8F870?J;20B?>@8B5:>8B>A5?>;CG020B  
<564C3>;5<8B5G0AB8F88B0:0A5AJ74020?;JB=0A<5A.  
">205B09=0B0=015B>=0-G0AB8F8B5=0?OAJ:070?J;20B  
<5AB5=F0B0<564CG0:J;08F8<5=B0,8382B2J@4O20?>  
B5E=8B5<5AB0. @>?CA;:82>ABB0=0>18;=>25=8O?OAJ:8  
>18;=>25=8OG0:J;528A>:0,=>:>30B>A5A<5AOB2  
?@028;=0B0?@>?>@F8O,?@>?CA;:82>ABB08<@O7:>A?040.  
"0:0G5?@8=F8?=>:>30B>A<5A20<5G0AB8F8A@07;8G5=  
@07<5@70?>;CG020=5B>=0AC1AB@0B,=0<0;O20<5  
:>;8G5AB2>B>:8A;>@>42?>G20B08=59=8B54@5=06=8  
A2>9AB20. :>4>1028<?OAJ:J<AC1AB@0BAJAB025=>B  
4J@25=8:>@8,3>?@028<?>-B56J:,A?>-<0;:>:8A;>@>48  
?>-A;01>?@>?CA;:82. ><=5B5,G5 ;8288B5A0!  
7028A8<8>B28A>:>B>=82>=0:8A;>@>42?>G20B0.  
6. OAJ:0=5554=0:J2.028A8>B:0:28A:0;8?@>87E>640-  
:20@F8B,3@0=8B8B.=. >?@8=F8?:20@F>28O?OAJ:5  
=09-4>1@8O,701>B>?@8B56020B>G=8B5D878G5A:88

E8<8G5A:8A2>9AB20.">20:>5B>B@O12040A5871O320?@8  
87?>;720=5B>=0@5G5=?OAJ.;5?OAJ:0?@>87E>640I>B  
@07@CH5=83@0=8B=8A:0;8.">78284?OAJ:8<0<=>3>D8=8  
G0AB8F8,:>8B>704@JAB20BAC1AB@0B08:>30B>5275B  
=0?@02>>B@5:0B0,G5AB>=>A870@0788=5<0B>48.0:J2B>  
8?OAJ:4087?>;720B5,206=>540?@5A55B5D8=8B5G0AB8F8.  
7.">20:>5B>2A5:8BJ@A82548=?5@D5:B5=AC1AB@0B70  
>B3;5640=55:  
\*D878G5A:88E8<8G5A:8AB018;5=AC1AB@0B(=5182040A5  
@07;0308;840A5@07?040);  
\*4>1@0A?>A>1=>AB70704J@60=5=02>40;  
\*4>1@>AJ4J@60=85=0:8A;>@>4,>BBC:84>1@04@5=06=0  
A?>A>1=>AB(70?J;=5=0A2J74CEHC?;82>AB);  
\*4>1@0A?>A>1=>AB7001A>@18@0=5=0B>@>258  
?@54020=5B>8<=0@0AB5=85B>.

%0@0:B5@8AB8:0=0?>G20B0:

;8288B5=5>18G0B40A0?>4387=0;8,B0:0G55  
=5>1E>48<04>1@0?@>?CA:;82>AB."@O12040A587?>;720  
?5AJG;8208;83;8=5AB>-?5AJG;820?>G20.>-206=>B>70  
4>1@0B0?@>?CA:;82>AB5?>G20B0405?>@5AB0.45:20B5=  
:><?>AB A=0B@>H5=8:>@8I5>A83C@8B>20.!B>9=>ABB0  
=0pH B@O120405>B5,54>6,5,B>20?@81;860204>CA;>28OB0  
:>8B>?@54>AB02O;8AB>2:0B025AB5AB25=0B08<A@540.