

% @ 870 = B5 < 0 - Chrysanthemum

gradinar, A J 1 > B 0 13 45 : 5 < 2 @ 8 2008 - 21:47:16

% @ 870 = B5 < 0 B 0 5 54 => > B = 09 - ? > ? C ; O @ = 8 B 5 8  
? @ 54 ? > G 8 B 0 = 8 A 0 : A 89 = 8 F 25 B O 8 F 25 B O 70 > B @ O 70 = F 2 O B.

> 4 J B % @ 870 = B5 < 8 5 1 > 30 B A < => 3 > 284 > 25. # = 0 A, : > 30 B > A 5  
: 065 @ > 4 % @ 870 = B5 < 8, E > @ 0 B 0 ? @ 85 < 0 B, G 5 B > 20  
= 08 < 5 => 20 = 85 A 5 > B = 0 A O A 0 < > 70 E @ 870 = B5 < 8 B 5, 0 B > 20 = 5  
5 B 0 : 0, 70 I > B > : J < B > 78 @ > 4 A 5 > B = 0 A O B 8 54 => 3 > 48 H = 8  
@ 0 A B 5 = 8 O 8 = O : > ; : > 2840, : > 8 B > > 7 = 0 G 0 20 < 5 A > 1 I > B >  
= 08 < 5 => 20 = 85 < 0 @ 30 @ 8 B 8, < 0 : 0 @, G 5 B 5 A 0 @ 07 ; 8 G = 8 284 > 28.

# = 0 A = 09 - G 5 A B > A 5 > B 3 ; 5640 B < 0 @ 30 @ 8 B 8 B 5 (Leucanthemum vulgare, L. maximum  
8 Chrysanthemum coccineum) 8 E @ 870 = B5 < 0 B 0 (Chr. indicum)  
0 @ 30 @ 8 B 8 B 5 A 8 ? @ 8 ; 8 G 0 B B 2 J @ 45 < => 3 > ? > A B @ > 56 = 0  
F 25 B > 25 B 5 A E @ 870 = B5 < 8 B 5.  
B ; 8 G 0 20 B A 5 A 0 < > ? > D > @ < 0 B 0 = 0 ; 8 A B 0 B 0.

! E @ 870 = B5 < 0 B 0 2 / ? > = 8 O 5 A 2 J @ 70 = 8 548 = > B  
= 09 - ; N 18 < 8 B 5 = 0 F 8 > = 0 ; = 8 ? @ 07 = 8 F 8 - ? @ 07 = 8 : J B = 0  
E @ 870 = B5 < 0 B 0 - 4525 B 8 A 5 ? B 5 < 2 @ 8. 0 B > 78 45 = 2 E @ 0 < 0  
! 5 = A >, A 0 : C 70, A 5 ? @ > 25640 B J @ 65 A B 25 = 0 F 5 @ 5 < > = 8 O 2  
= 59 = 0 G 5 A B. % > @ 0 B 0 ? > 40 @ O 20 B E @ 870 = B5 < 8 = 0 C 40 8  
B @ J 3209 : 8 A 8 275 < 0 B A J A A 5 15 A 8 70 4 > < 0 > A 25 B 5 = 8  
A B @ J : G 5 B 0 > B = 5 O. ! < O B 0 A 5, G 5 B O ? @ > 3 > = 20 7 ; 8 B 5 4 C E > 25,  
1 > ; 5 A B 8 B 5 8 = 5 I 0 A B 8 O B 0. @ > 25640 = > B : @ 0 O = 0 ? 5 @ 8 > 40  
4 > (% V 25 :), 4 = 5 A ? @ 07 = 8 : J B 5 ? @ 5 @ 0 A = 0 ; 2 J 2 \$ 5 A B 8 20 ; ,  
: > 9 B > G 5 A B 20 B 2 F O ; 0 B 0 A B @ 0 = 0. 45 = O = 0 E @ 870 = B5 < 0 B 0 A 5  
? @ 02 O B : C ; ; 8 2 G > 25 H : 8 @ J A B > B A 256 F 2 O B, A 1 > 30 B 0 30 < 0  
@ 07 F 25 B : 8 8 D > @ < 8.

5 ? > - < 0 ; : > ; N 18 < 0 5 E @ 870 = B5 < 0 B 0 8 2 8 B 09, : J 45 B >  
87 > 1 I > ; N 1 > 2 B 0 : J < F 25 B O B 0, > A > 15 => ? @ 8 65 = 8 B 5 5  
= 5 > 18 : => 25 => < => 3 > @ 07 ? @ > A B @ 0 = 5 = 0. 8 B 09 : 0 B 0  
A < O B 0 : > A B N < 0 A 8 = 5 ? J ; 5 =, 0 : > = 5 C : @ 0 A 8 A 2 > 8 B 5 G 5 @ = 8  
: 0 B > A < > ; 0 1 ; 5 A B O I 8 : > A 8 A F 25 B 5. 48 = A B 25 => = 0  
65 = 8 B 5 24 > 28 F 8, ? > - < ; 048 > B 40 3 > 48 = 8, = 5 A 5 @ 07 @ 5 H 0 20 40  
=> A O B F 25 B 5.  
8 B 09 F 8 B 5 = 0 @ 8 G 0 B A 8 < 5 B > = 0 E @ 870 = B5 < 0 B 0 4525 B 8 O  
< 5 A 5 F = 0 3 > 48 = 0 B 0, 0 4525 B 8 O 45 = > B B > 78 < 5 A 5 F 5

?@07=8G5=. !J15AB2C20B=0@>4=8 ?>25@8O, G5  
>B:JA=0B0B0 2 B>78 45= E@870=B5<0 8<0 <038G5A:0 A8;0.  
N1C209:8 A5=0 E@870=B5<8B5, :8B09F8 8 O?>=F8=5  
701@02OB 8 40 38 C?>B@51O20B 2 :CE=OB0 A8. B ;8AB5=F0B0  
=0 E@870=B5<0B0 ?@02OB A0;0B0. ;02=>B> 2 E@870=B5<0B0  
>10G5=5 A0 =59=8B5 :C;8=0@=8, 0 5AB5B8G5A:8  
4>AB>9=AB20. >A;54=8B5 F25BO =0 3>48=0B0-  
E@870=B5<8B5 A5 ?>O2O20B A ?J@28B5 70ABC4O20=8O 8 70B>20  
B5 A0 ?> 5A5==> ABC45=8 8 ?@82;5:0B5;=8.  
8B09 E@870=B5<0B0 5 A8<2>;=0 <J4@>AB 8 4J;3>;5B85, 2  
/?>=8O- =0 10AB85, CA?5E, :JA<5B; 2J2 85B=0<- =0  
4CH52=0 G8AB>B0 8 18ABJ@ @07C<.

2@>?0 E@870=B5<0B0 18;0 4>=5A5=0 70 ?J@28 ?JB>15  
?@57 %V 25:- ?@571676 3. 2 =3;8O>B E>;0=45F0 5545, =>  
B>3020 BO>AB0=0;0 B0< 8 2A5>15<0;F8=0 O ?>7=020;8.  
@85B> 5 40 A5 A<OB0, G5 @50;=> E@870=B5<0B0 5  
4>=5A5=0 ?@571789 3., :>30B> :0?8B0= 85@ ;0=H0@ O  
4>=5AJ; 2 0@A5;.  
@571829 3>48=0 3@048=0@OB>B "C;C70 5@=85 70?>G=0; 40  
>B3;5640 E@870=B5<8 G@57 A5<5=0. >;CG8;=O:>;>  
=>28, :@0A82>>103@5=8 @07=>284=>AB8. 420 A;54  
?>;>28= AB>;5B85>10G5, :>30B> 25G5 A5>B3;5640;8=04  
300 @07=>284=>AB8, E@870=B5<0B0 AB0=0;0 54=>>B  
;N18<8B5 78<=8 F25BO 2 2@>?0. J@28 9>1J@=0;8  
2=8<0=85 0=3;8G0=8B5, 70 :>5B> 3>2>@8 ?@07=8:JB 2  
@8AB0;=8O 42>@5F 2 >=4>= ?>A;CG09 @>645=8O 45= =0  
(8;5@ ?@571859 3., :>30B> 1NAB0 =0 25;8:8O ?8A0B5; 18;  
>B@C?0= A E8;O48 E@870=B5<8 A=09- @07=>>1@07=0 D>@<0  
8 103@0.

2@>?0 E@870=B5<8B5 A5 2J7?@85<0B 8 :0B> A8<2>;=0  
157<J;2=0 4J;1>:0 ?5G0;. \$@0=FC78B5, ?>G8B09:8  
<J@B28B5, ?>AB02OB=0 3@>10 8>;>;>=53> 25=F8 8  
?@>AB> AB@J:>25, ?>=O:>30 8 FJDBOI8 @0AB5=8O 2 A0:A8O.

5>B402=0 2 0@86 A5>B15;O70 AB>;5B85B>>B  
2J25640=5B> =0 ?J@28B5 E@870=B5<8 2 2@>?0 A 1>30B0  
87;>610, A=03@048 8<540;8. 0 87;>610B0 18;8 ?>:070=8  
=041200 87;;NG8B5;=8 ?> A2>OB0 :@0A>B0 E@870=B5<8,  
:>8B>>1@07C20;8 A2>5>1@075=:8;8<, 0 70 1>@4N@  
A;C65;8 E@870=B5<8, ?>AB025=8 2J2 28A>:8 AJ4>25.  
!JAB57020;8 A580 A>@B0. 09-54@8OB F2OB, :>9B> ?>;CG8;  
=03@040B0, 18;>B A>@B0" 0;8A" A 480<5BJ@41 A<.

=5A AB@0ABB0 :J< F25BO AJA AB@0==0 8 5:7>B8G=0 :@0A>B0,  
>E;0640B>B=>H5=85B> :J< ?@>AB>B>, OA=>B> 8  
?>@0640B ?@5=51@565=85 :J< 87OI=>B> 8 B>20 5 G0AB>B

=0H5B> 2@5<5. % @ 8 7 0 = B 5 < 8 B 5 - B578 BJ@65AB2C2018,  
3>@48, <=>3>;8:8 87B>G=8 ? @8=F5A8, 45F0=0 GC640 75<O,  
?@>4J;6020B 40 ? @82;8G0B ?>3;548 8 GC2AB20, @0640B  
=0AB@>5=85 8 2=CH020B A?>:>9AB285 8 E0@<>=8O, A BOE  
?@5>B: @820<5 B @048F8O, @50;=>AB 8 4CE 157 AC5B0 8 157  
:@09.

" :

% @870=B5<0B0Chr. indicum 5 <=>3> 1>30B AJA A>@B>25, :>8B> A5  
>B;8G020B ?> 54@8=0, D>@<0 8 103@0=0 F25B>25B5.  
!>@B>25B5 A5 3@C?8@0B=0 425 >A=>2=8 3@C?8:  
4@51=>F25B=8 8 54@>F25B=8.

>G20: % @870=B5<8B5 878A:20B A2J@70=8, ?@>?CA::828 8  
1>30B8 A E@0=8B5;=8 25I5AB20 ?>G28. "5 A0 GC2AB28B5;=8  
:J< ?>2B>@=> >B3;5640=5=0 54=> 8 AJI> <OAB>.  
09-?>4E>4OI>B> 2@5<5 70 70A0640=5=0 E@870=B5<8B5 5  
?@57 N;8 8=0G0;>B>=0 023CAB. @8 B0:J2 A@>:=0  
70A0640=5 F2OB A5 ?>;CG020 ?@57=>5<2@8.

&JDB56: 09-@0==8B5 E@870=B5<8 FJDBOB ?@57 A5?B5<2@8,  
A;54 B>20 A0>:B><2@89A:8B5 8=0:@0O :JA=>  
=>5<2@89A:8B5.  
0@30@8B8B5 FJDBOB 87::NG8B5;=> ?@57 ?@>;5BB0 4>  
=0G0;>B>=0 ;OB>B>.  
% @870=B5<8B5 A0 <=>3> 8 @07;8G=8 284>25, :;0A8D8F8@0B  
38 A?>@54 D>@<0B0, 3>;5<8=0B0 8 103@8B5=0 F25B>25B5 8<  
8:0B> 8 A?>@54 2@5<5B>=0 FJDB560.

5AB>?>;>65=85: 072820B A5 4>1@5 8 FJDBOB >18;=>=0  
>B:@8B8, A;J=G528 <5AB0 8 2 ?>;CAO=:0.  
A8G:8 284>25 >B @>4 % @870=B5<8, A 87::NG5=85=0  
54@>F25B=8B5 E@870=B5<8, A5 87?>;720B 70 70A0640=5 2  
3>;5<8 8;8 <0;;8 3@C?8 ?@54 E@0AB8 8 2 B@52=8 ?>;>I8 70  
>B@O70= F2OB.  
4@>F25B=8B5 E@870=B5<8 A5 >B3;5640B 2 >B>?>;O5<8  
>@0=65@88 8 A5 87?>;720B 87::NG8B5;=> 70 ?>;CG020=5=0  
>B@O70= F2OB. B3;5640=5B> 8<=0 >B:@8B> 5 A2J@70=> A  
@8A:>25.

5=78@0=5:

0 40 A5 ?>;CG0B ?>25G5 F25B>25 8 @07::>=5=8O  
@0AB5=8OB0 B@O120 40 A5 ?5=78@0B.  
! ?5=78@0=5B>=0 54@>F25B=8B5 E@870=B5<8 A5 F5;8 40 A5  
?@5<0E=0B @0==8B5 ?@>;5B=8 ?J?:8, 70 40 A5 >D>@<OB  
54@8, A ?@028;=> D>@<0 8 A ?>-4J;38 4@J6:8 F25B>25.

J@2>B>?5=78@0=5A5?@028,:>30B>@0AB5=8OB04>AB830B  
28A>G8=010-15A<,02B>@>B>?>:JA=>,70?@5<0E20=5=0  
:>@>=0?J?:0,>B:>OB>AJI>?@8?>25G5B>A@>:>25A5  
?>;CG020B=54>AB0BJG=>:0G5AB25=8F25B>25.  
>25G5B>A>@B>25A5>AB02OB40FJDBOB=0:>@>=0  
?J?:0.

@51=>F25B=8B5E@870=B5<8A5?5=78@0BA0<>548=?JB,  
:OB>A5?@5<0E=5A0<>G0AB=0<;048B5,?>AB83=0;818-20A<  
28A>G8=0@0AB5=8O.

@854=>F25B=8B5E@870=B5<8206=0<O@:070  
?>;CG020=5=028A>:>:0G5AB25=8F25B>255  
?@5<0E20=5B>=0AB@0=8G=8B5?J?:8.

0D>@<8@0=5=04@51=>F25B=8B5E@870=B5<8A5>AB02OB  
352@JE=8@07:;>=5=8O,02A8G:8=0AB>OI8A5?@5<0E20B.

**07<=>6020=5:** @5A045B5?@57?@>;5BB00:>5  
=5>1E>48<>.!:54?@5FJDBO20=5B>E@870=B5<0B0<>65  
40A5?@5A04823@048=0B0:J45B>BOI5A52J@=5:J<  
5AB5AB25=8B5A8=028F8=0@0AB56.57=8F8B5A570A0640B  
48@5:B=>2?>G20B0.

**>;5AB8:**

**5@B8F8;89=>C2OE20=5** 3J15=01>;5AB.>;=8B5  
@0AB5=8OC2OE20B2=570?=>?>2@5<5=0FJDB560.>  
;8AB0B08<A5?>O2O20B1;54>75;5=84>6J;B8=5?@028;=8  
?5B=0.J10B0?@8G8=8B5;78<C20?>@0AB8B5;=8B5  
>AB0BJF8=070@075=8B5@0AB5=8O.

>@10:0A53=0B8B5@0AB5=8OA587A:C120B88730@OB.  
**!82>3=85=5** 3J15=01>;5AB.8AB0B0=070@075=>B>  
@0AB5=85AB020B:0DO28,0?>F25B>25B5A5?>O2O20B  
A25B;>:0DO28?5B=0A=5?@028;=08;8>20;=0D>@<0.  
>@10:"@O12040A5=0<0;82;06=>ABB0=02J74CE08  
<>:@5=5B>=0@0AB5=85B>.

**8AB=8?5B=0** -3J15=01>;5AB.072820A5=04>;=8B5;8AB08  
A5@07?@>AB@0=O20:J<=09-3>@=8B5.>70@075=8B5;8AB0  
A5>1@07C20BA25B;>:0DO28:@J3;8BJ<=8?5B=0.  
>@10:09-4>;=8B5;8AB0=0E@870=B5<0B0A5>18@0B.  
&25B>25B5A5?@JA:0B?@54?07=>A1%->21>@4>;57>2  
@07B2>@A?@8102:0=0A<>;8ABA0?C=250<;7010;@07B2>@.