

" 0 3 5 B 5 A, \$ C = 4 0, " C @ B 0 - Tagetes (G 0 A B II)

gradinar, ? > = 5 4 5 ; = 8 : 27 N ; 8 2009 - 13:40:53

Tagetes 5 = 5 ? @ 5 B 5 = F 8 > 7 5 =, 1 J @ 7 > @ 0 7 2 8 2 0 I A 5, A 2 5 B ; > 8
B > ? ; > ; N 1 8 2 8, A C H 0 - C A B > 9 G 8 2 > @ 0 A B 5 = 8 5. ? B 8 < 0 ; = 0
B 5 < ? 5 @ 0 B C @ 0 7 0 @ 0 7 2 8 B 8 5 = 0 < ; 0 4 8 B 5 @ 0 A B 5 = 8 O 18-20 ° C. @ 8
B 5 < ? 5 @ 0 B C @ 8 ? > 4 1 0 ° C ; 8 A B 0 B 0 ? 0 4 0 B 8 @ 0 A B 5 6 0 A ? 8 @ 0. > 4 -1 ...-
2 ° C @ 0 A B 5 = 8 O B 0 C < 8 @ 0 B.

5 A B > ? > ; > 6 5 = 8 5: = 5 A 5 = C 6 4 0 O B > B A 8 ; = 0 A ; J = G 5 2 0
A 2 5 B ; 8 = 0, 2 J ? @ 5 : 8 G 5 7 0 < 0 : A 8 < 0 ; 5 = F J D B 5 6 8 < 5 = C 6 = 0
? @ O : 0 A ; J = G 5 2 0 A 2 5 B ; 8 = 0. "> 2 0 5 > A > 1 5 => 2 O @ => 7 0 Tagetes
tenuifolia. ! ; 0 1 > F J D B O B ? @ 5 7 ? @ > ; 5 B B 0 8 5 A 5 = B 0.

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

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

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

0 7 < => 6 0 2 0 = 5: A 5 < 5 = 0. Tagetes < > 6 5 4 0 1 J 4 5 7 0 A O B = 0 ? @ 0 2 > 2
3 @ 0 4 8 = 0 B 0 2 : @ 0 O = 0 < 0 9 - = 0 G 0 ; > B > = 0 N = 8. > = 8 : 2 0 5 - 10 4 = 8
A ; 5 4 7 0 A 0 6 4 0 = 5. : > A 5 ? > : @ 8 5 A ; C B @ 0 A 8 ; , A ? 0 = 1 > = 4,
0 3 @ > A ? 0 = 8 ; 8 4 @. < 0 B 5 @ 8 0 ; < > 6 5 B 5 4 0 7 0 A 5 5 B 5 @ 0 A B 5 = 8 5 B >
4 5 A 5 B 4 = 8 ? > - @ 0 => > B > 1 8 G 0 9 = 8 O A @ > ; , 8 ? > B > 7 8 = 0 G 8 = A 5

CA:>@O20 FJDB560.

:> 3> A55B5 2 A0:A8O 8;8:0B> @07A04. A@540B0=0<0@B A5
A 55 Tagetes erecta, 0 Tagetes Tenuifolia 8 Tagetes Patula A5 70AO20B 2=0G0;>B>=0
0?@8;,. @8 A?0720=5=0 B578 CA;>28O 8 B@8B5 2840 I5
70?>G=0B 40 FJDBOB ?@57 N=8. 07A04 Tagetes 5;5A=>40 A5
>B3;5640B 2 70:@8B0 A@540 4> A25BJ; ?@>7>@5F=0 B>?;>,
4>:0B> @0AB5=8OB0 AB0=0B A8;=8. 040 A5 ?>;CG0B 74@028 8
A8;=8 @0AB5=8O 5=C6=0 @>E:0 8 E@0=8B5;=0 ?>G20,(1 G0AB
EC<CA+1 G0AB B>@D+1 G0AB G8<75<O+0,5 G0AB ?OAJ:),
B5<?5@0BC@018-22 °!8 C<5@5=> ?>;820=5. >-<0;:>
278A:0B5;=8B5 :J< ?>G20B0 8 B5<?5@0BC@0B0 A0 Tagetes Patula.
0:0@ 8 Tagetes 40 A5 AG8B0 70=5?@5B5=F8>75=, B>9 5 ?>-4>1@5
40 A5 70A55=0 A2560 ?>G20B0, >A>15=>70 Tagetes Tenuifolia.
!5<5=F0B0 <>30B 40 A5 70A04OB 2 A0:A88<0;:8 :>D8G:8 8;8
A0=4JG5B0. 04J=>B>, 5=5>1E>48<>40 A5=0?@028
>B2>4=O20=5(4@5=06)>B G0:J;,:5@0<8:0 8;8 54J@ ?OAJ:
A;>9>B3cm 8;8>B2>@8. ?@>B825=A;CG09, @0AB5=85B><>65
40 C<@5>B 3J1=8 701>;O20=8O. J@2>=0G0;=>, =04
=0?@025=8O 4@5=06 A5 87A8?202/3>B ?>G20B0, C?;JB=O20
A5 =0@J:0 8;8 A5 B@0<1>20. !;542018OB A;>9 B@O120 40
1J45 2 @>E:> AJAB>O=85 70 40 8<0 4>AB0BJG=> 2J74CE 70
=0@0AB2018B5 :>@5=8. !5<5B> A5 AJ48=01-2 A< ?>4
?>2J@E=>ABB0. !;54 ?>43>B>2:0B0=0 ?>G20B0 A5 ?>;820 8
A5>AB02O 70 548= 420 4=8=0 B>?;><OAB>, 4>@8 704CH=>.
Tagetes A5<5=0 A0 3>;5<8, 70B>20 B5<>30B 40 1J40B ?>A045=8 2
1@0740=0 @07AB>O=851-1,5cm. 07AB>O=85B><564C 1@0748B51,5-2
cm. :>=0@0AB2018B5 AB51;0=O<0B 4>AB0BJG=> A25B;8=0
87BJ=O20B, <>65 8 40 701>;5OB.
09;5A=8OB=0G8=70 ?>;CG020=5=0>?B8<0;=0 3JAB>B0, 5
70AO20=5B>=0 25G5 ?>:J;=0;8 A5<5=0. 0:J;=O5<>ABB0
8<5=5>1E>48<>40 70AB5;5B5 <>:@0:J@?0 2J@EC
G8=89:0 8 40 38 ?CA=5B5 2J@EC =5O 8;8 2=09;>=>20
B>@18G:0, ?>AB025=8=0 B>?;><OAB>. !;542-3 4=8 A5<5=0B0
?>:J;20B. >:J;=0;8B5 A5<5=0 A5 70AO20B =00,5-1 cm
4J;1>G8=0. :>70@>28B5 A5<5=0 2 ?>G20B0 ?@5:0;5=>
4J;1>:;>, B5=5<>30B 40 87@0AB0B, >A>15=>Tagetes tenuifolia. !;54
?>AO20=5=0 ?>2J@E=>AB=8O A;>9, ;5:> A5=0?>O20, 0
A;54 B>20 A5 ?>:@820 A E0@B8O. !J4>25B5 A5 ?>AB02OB, =0
B>?;><OAB>(22-25 °C) 8 2=8<0B5;=> A5 A;548 70 ?>G25=0B0
2;030. !;543-7 4=8, A5 ?>O2O20 @07A040, B@O120 40 A5
?@5<5ABOB=0 ?>-A25B;><OAB> A ?>-8A:0 B5<?5@0BC@0(18-20
°C).
:> 3JAB>B0B0 5 3>;O<0 A5 ?8:8@0B. 07A04JB 5 3>B>2 70
70A0640=5, :>30B> A5>1@07C20B 2-3 42>9:8 ;8AB0 8 A8;=0
:>@5=>20 A8AB5<0. 0A0640 A5 2 75<OB0 2:@0O=0<09-
=0G0;>B>=0 N=8, A1-2cm ?>-4J;1>:;>, >B>:>;>B> 5 18; ?@548.
07AB>O=85B><564C @0AB5=8OB0 7028A8>B 2840 8 :;0A0.
8A>:8B5 284>25 A5 70A0640B =040 E 40cm, A@54=8B5 =030 E 30cm 8

=8A:8B5 A>@B>25 8 E81@848=020 E20 cm
@5A0640=5B>5 ;5A=>2J2 2AO:0 2J7@0AB, 4>@8 2
@07FJD=0;>AJAB>O=85.

#?>B@510: Tagetes ?@54?0720B, 70A045=8 2 1;87>AB
75;5=GC:>28 8;8 4@C38 @0AB5=8O >B @548F0 3J1=8
701>;O20=8O, =09-25G5 >B DC70@8>70, 70I8B020B 8 >B =O:>8
284>25 =5<0B>48. 0?>4>1J@ FJDB56 A5 >BAB@0=O20B
C25E=0;8B5 F25B>25. J2 2>40B0, B5 874J@60B >:>;> B@8
A54<8F8. >=0AOB ?>4@O720=5. Tagetes A5 87?>;720 ?@8 2A8G:8
284>25 F25B=8 1>@4N@8, 828F8, ?@02OB A5 35><5B@8G=8
D83C@8, 70<0A828, F25B=8 B5@0A8, 0;58, F25B=8 :JB>25.
>-28A>:8B5 A>@B>25 A5 87?>;720B 70 C:@0A0 :@09 AB5=8 8;8
6828 ?;5B>25. "5 A0 <=>3> ?>4E>4OI8 70 A5=G5AB8B5
3@048=8 8 1;87> 4> 2>4>5<8. Tagetes 874J@60B B56:8 CA;>28O 8
<0;J: >15<=0 ?>G20B0. !;54>20B5;=>, B5 @0AB0B 4>1@5 2
A0:A88 ?> ?@>7>@F8B5, :><18=8@0, A5 4>1@5 A 4@C38
@0AB5=8O. <0 A;CG08, 40 ?@568255 78<0B0 8 ?@>;5BB0
>B=>2> 8<0 3>;5<8 F25B>25. (B>20 A5 >B=0AO A0<> 4> Tagetes
patula).