

**1CB8; >= (!B05 = :; 5=) - Abutilon**

gradinar, ? 5BJ: 11 N; 8 2008 - 15:54:14

!5<59AB2>: !; 57>28 - Malvaceae

@>87E>4: .6=0 <5@8:0

**1CB8; >=** JB 5 25G=> 75;5=> 4J@2> A 54@8 :;5=>284=8  
 75;5=88;8 ?JAB@8 ;8AB0. &25B>25B5 <C A0 A D>@<0 =0  
 :0<10=:8 2 1O>;, 6J;B>, @>7>2>, >@0=652> 8;8 G5@25=>.  
 <0 8 284>25 A 42CF25B=8 :0<10=:8. 0AB5=85B> FJDB8 >B  
 0?@8; 4> A5?B5<2@8, 0?@8 AB09=0 B5<?5@0BC @010>-15>C  
 FJDB56JB ?@>4J;6020 8 78<0B0. 0 40 FJDB8 >18;=>,  
 A0:A8OB0 B@O120 40 <C 5 <0;:> BOA=0.  
**1CB8; >=** JB 5 1J@7> @0ABOI> @0AB5=85. "@O120 @54>2=> 40  
 A5 ?>4@O720, 70 40 FJDB8 >18;=>, 40 A5 @07:;>=O20 8 40  
 ?@84>185 EC1020 D>@<0.  
 >1@5 5 ;OB>B> 40 A5 87=0AO =02J=.  
 1CB8; >=JB 5 8725AB5=:0B> AB05=:;5= 70@048 ?@8;8:0B0  
 2J2 D>@<0B0 =0 ;8AB0B0. ">9 5 4@515= E@0AB 8;8 4@J2G5 A  
 :@5E:8 ABJ1;0 8 <JE5AB8 ;8AB0, :>8B> ?@8 @07;8G=8B5  
 A>@B>25 A0 75;5=88;8 87?JAB@5=8=0 828F8 8;8 ?5B=0.  
 A>15=> >G0@>20B5;5= 5, >B@C?0= A F25B>25 6J;B8,  
 >@0=6528, G5@25=8, 15;8, @>7>28.

O:>8 284>25:

Abutilon megapotamicum variegatum A ;8AB0 A 15;8 8 6J;B8 ?5B=0, 8 F25B>25  
 42CF25B=8 :0<10=:8 2 6J;B> 8 ?C@?C@=>

Abutilon hybridum 87@0AB20 :0B> :8G5AB> 4@J2G5 A 28A>G8=0 >:>;>  
 1,5 <. <0 8 20@85B5B A ?>GB8 15;8 ;8AB0.

Abutilon striatum thompsonii 4>AB830 28A>G8=0 >:>;>1,5 <. 8AB0B0 <C A0 A  
 6J;B8 ?5B=0 8, 70 @07;8:0 >B B578 =0 4@C38B5 01CB8; >=8, A0  
 3;04:8, 157 2;0A8=:8.

JAB@>;8AB=8B5 A>@B>25 FJDBOB ?>->A:J4=>. &JDB56JB  
 A?8@0 ?@57 78<0B0, :0:B> 8 ?@8 B2J@45 2J7@0AB=8 @0AB5=8O.  
 >@>=0B0 A5 D>@<8@0 G@57 @54>2=> ?>4@O720=5, 0 =0  
 :@5E:>B> ABJ1; >5 4>1@5 40 A5 >A83C@8 >?>@0.

**B3;5640=5 8 3@868:** @57 78<0B0 <C A5 >A83C@O20 ?5@8>4 =0  
 ?>:>9 =0 A25B;> 8 E;04=> <OAB>->:>;>10-15 !. >;820=5B>  
 A5 A25640 4> <8=8<C<, 0:> 5 ABC45=>. ">@5=5B> A5 A?8@0.  
 @57 ?@>;5BB0 A5 ?@5A0640 2 E@0=8B5;=0 3@048=A:0 ?@JAB.  
 1CB8; >=JB A5 =C6405 >B <=>3> A;J=F5. @57 ;OB>B> 5

4>1@540A587=5A5=02J=. "@O12040A5?>;820I54@>,40A5  
B>@82AO:0A54<8F0,40A5?>4@O720840A5?078>B;8AB=8B5  
2JH:8. :>>10G5>AB0=52AB0OB0,B@O12040A5>@>AO20:0B>  
A5?07OB F25BG5B0B0>B=0<>:@O=5.

>1@5540A5?>4=>2O20?@57=O:>;>3>48=8,G@57  
2:>@5=O20=5=0?>;C24J@25=8@57=8F82J22>408;8  
<>:J@ @5G5=?OAJ:.

!J25B: 040FJDB8=0?@>;5B?>4@565B5A<5;>.  
?0A=>AB8:

-!CE2J74CE;

-0ACH020=5=0?>G20B0;

-@5?>;820=5.

J22A8G:8B578A;CG0870?>G20B40>?0420B;8AB0B0,  
F25B>25B5,?J?:8B5.

@548B5;8:

-8AB=82JH:8;

-5;>:@8;;8;

-:0@8.

5@:8701>@10 <0E0BA5<=>3>?>@075=8B5G0AB8=0  
@0AB5=85B>,87<820A5AJA A0?C=5=02>40,?@JA:0A5AJA  
AJ>B25B5=?@5?0@0B.

0:403>?>A55<:

1.!5<5=0B0=001CB8;>=0B@O12040A570A5OB2B0O?>G20,2  
:>OB>I5@0AB0B870=0?@54.

!C1AB@0B0B@O120401J45;5:84>AB0BJG=>E@0=8B5;5=.

>1@552C=825@A0;=0B0?>G2040?@81028B5A<5A70

:0:BCA8825@<8:C;8B. @>?>@F88-=0>:>. >652<5AB>

25@<8:C;8B40A54>1028?OAJ:;=>AC1AB@0B0I5AB0=5

B56J:8;>H>2J74CE>?@>2>48<. 0A5<5=0B05<=>3>

206=>2J74CE>-2;03>?@>2>48<08E@0=8B5;=0?>G20.

2. 02;06=5B5?>G20B02A0:A8OB0,A;>65B5A5<5=0B0,

?>A8?5B5A?>G20,=>=5=0B8A:09B5A8;=>. >6540

A;>68B5?>3A5<5=F0>B2842A0:A8O70@07A04,70I>B>,

?J@2>=52A8G:8<>30B40?>=8:=0B. B>@>-:>30B>

?>=8:=0B8@0715@5B5=C65=;8285B>G=>B>OF2OB,B>3020

<>6540@07A048B5,?@5A048B58?@5E2J@;8B5.

3. !;54?>A52070E;C?5B5A1CB8;:08;8?@>7@0G5=

=09;>=>2?;8:. >AB025B5=0B>?;><OAB>,=5=0?5@2070,

=>8=5=0?0@=>B>. >@<0;=>B>?;>;22-25!. >30B>

?>=8:=0BA5<5=0B0(>B34>7-104=8),?>G0:09B540"87?@02OB

3;028G:8"8<0E=5B5?;8:0/1CB8;:0B0. >:@820=5B>5

=C6=>A0<>70B>20,40A5AJE@0=82;06=>ABB02?>G20B0

B0:0,G5A5<5=0B040=5A570ACH0B8;8?@5?>;5OB.

4. ">205<=>3>2065=<><5=B. >A52JB<>651J@7>40A5  
?@5ACH8,=>=5587::NG5=>840A5?@5?>;55. :>=5AB5  
AJ2A5<C25@5=82A2>8B52J7<>6=>AB8@02=><5@=>8  
@53C;O@=>40?>;820B5?>=8:=0;8B5ABJ1J;F0,?>-4>1@5  
38>AB025B5?>-4J;3>?>41CB8;:0B0.  
%C102>540A54>>A25BO20B,70I>B>157A25B;8=01J@7>I5  
A5874J;6JB.

5. >30B>A5?>O2OB2-3=0AB>OI8;8AB5=F0,<>6540  
70?>G=5B5?><0;:>40B>@8B5. B=0G0;>N=P=K. 54=J6=010  
4=8. @8?>O20B0=0?J?:8-B>@A?>28H5=>AJ4J@60=85=0  
D>AD>@8:0;8O. !JI>254=J6=0104=8. 5A5C2;8G09B52  
:>=F5=B@0F8OB0=0B>@0.!?07209B5C:070=8OB0=0  
8=AB@C:F8OB0.

6. @5E2J@;5B52?>-3>;O<0A0:A8O A0<>?@8=0;560I0  
=C640. 1CB8;>=8B5FJDBOB82<0;:8A0:A88.

G0:209B5?8I=>81C9=>FJDB5=5A;542B>@0B03>48=0,4>  
B>3020I5FJDBOB=5B>;:>20>18;=>.

7. >4:0AB@09B5A;54?J@20B03>48=0,?@57?@>;5BB0