

8B09A:0 @>70(E818A:CA) - Hibiscus

gradinar, 2B> @ =8:16 A5?B5<2 @ 82008 - 11:11:03

%818A:CA (=0 ;0B8=A:8 Hibiscus) 5 @>4>B>:>;>200 2840 ,G0AB>B
A5<59AB2>!;57>28(;0B.Malvaceae). 09-@07?@>AB@0=5=8B5
284>25>B B>78 @>4 A0 :8B09A:0B0 8 AC40=A:0B0 @>70 .
>25G5B> @0AB5=8O ?@>87;870B>B 78O, =>=O:>8 @0AB0B 8 2
D@8:0 2 482>AJAB>O=85. =48O 15;8OB E818A:CA A5
87?>;720:0B>;5G51=>A@54AB2>, 0 2
F5=B@0;=>0D@8:0=A:8B5 AB@0=870 ?@>872>4AB2>B>=0
A>:>25 .!8@89A:0B0 @>70 e=0F8>=0;=>F25B5=0 .6=0
>@5O, 0:8B09A:0B0 @>70- =0 0;0978O. 8B09A:0B0 @>70
FJDB8 ?>GB8 ?@57FO;0B0 3>48=0 8 4>AB830 4>1-2 <5B@0 2
4><0H=8 CA;>28O. 8255 ?>25G5 >B20 3>48=8.
">20 5 @>70B0 =0 B@>?8F8B5. &JDB8 ?>GB8 ?@57FO;0B0
3>48=0 8 4>AB830 4>1-2 <5B@0 2 4><0H=8 CA;>28O. 8255
?>25G5 >B20 3>48=8.

%818A:CAJB 5 GC45A5= ?@8<5@ 70 AB09=> @0AB5=85, 8450;=>
70 A;J=G528O ?5@207.

53>28B5 3>;5<8, ?>4>1=8 =0 E0@B8O F25B>25, ?> ?@8=F8?
B@0OB A0<> 45= 420, =>A ?>25G5 AB0@0=85 <>30B 40 FJDBOB
>B ?@>;5B 4>5A5=.

%@0ABJB =0 E818A:CA0 <>65 40 68255 ?>25G5 >B20 3>48=8.

>65;0=85 <>65 40 1J45 ?>44J@60=A @07<5@8B5=0
=>@<0;=>AB09=>F25B5.
:>8A:0B5 40 70?078 E@0AB>284=0B0 A8 D>@<0, ?>4@O7209B5
AB51;0B0 2:@0O =0 78<0B0.

%818A:CAJB 8<0 @548F0 @07=>284=>AB8, :>8B> FJDBOB 2
1O;>, 6J;B>, >@0=652>, @>7>2>8;8 G5@25=>.

! O@:8B5 A8 F25B>25 E818A:CAJB A5 ?>;720 A 3>;O<0
?>?C;O@=>AB. :7>B8G=8B5 F25B>25=0 E818A:CA0
=0@8G0B"F25B5=0 ;N1>2B0" 8"F25B5 =0 ?@5:@0A=8B5
65=8"- B5 A0 A8<2>;=0 %08B8, 0 2 =48O 38 2?;8B0B 2
A20B15=8B5 25=F8.

15 2=0G0;>B>=0XVIII 2. E818A:CAJB 18; ?@5=5A5=>B 8B09
8 C:@0AO20; 1>B0=8G5A:8B5 3@048=8 2 2@>?0,
?@82;8G09:8 2J7E8B5=8B5 ?>3;548 A>18;=8O A8

FJDB56. !@510B A5 8 B2J@45=8O >10G5, A?>@54 :>8B>
E818A:CA8 A5 A@510;8 >15 ?@57XVI 25: 2 B0;8O.

%818A:CAJB (Hibiscus) 5 <=>3>1 @>5= @>4 >B A **5<59AB2>!;57>28**
(Malvaceae), =01 @>O20I >:>;> **300 2840** , @07?@>AB@0=5=8
?@548<=>2 B@>?8G5A:8B5 @538>=8=0 .3>87B>G=0 78O.
">20 A0 B@528, ;8AB>?04=8 8 25G=>75;5=8 E@0AB8 8;8
4J@25B0 A28A>G8=0 4>3 <.

=5A AJI5AB2C20B >:>;>500 3@048=A:8 D>@<8 8 A>@B>25
E818A:CA, A :8G5AB8 8 ?@>AB8 F25B>25, A @07;8G=0
>:@0A:0-1O;0, 6J;B0, @>7>20, >@0=6520, G5@25=0,
;8;020, 28>;5B>20. %818A:CAJB 554=>>B=09-:@0A828B5
8?@>4J;68B5;=>FJDBO18 <=>3>3>48H=8 @0AB5=8O. 0
A;J=G52>, 7018B5=> >B2OBJ@<OAB>, B>9 FJDB8 >18;=>
>B N=8 4>?J@28B5 70ABC4O20=8O. %818A:CAJB=55
278A:0B5;5=:J<?>G20B0, =>BOB@O120 40 1J45 >BF54;820,
A4>1J@4@5=06. 0AB5 4>1@5 4>@8 2 3@04A:8 CA;>28O.

09-G5AB>A5 >B3;5640B:

%818A:CA A8@89A:8 (H. syriacus)

">20 ;8AB>?04=>4J@2>, :>5B>G5AB>@0AB5 2J2 284=0
E@0AB, 5 4>1@5 ?>7=0B0B0=8 **4J@2>284=0 @C60** , G5AB>
A@510=0 2=0H8B5 ?0@:>25 8 42>@>25. 0@8G0B 3>>15
">70B0=0 (0@J=" 8 3>A<OB0B 70=0F8>=0;=>B>F25B5
=0 .6=0 >@5O. "><>65 40 68255 4>100 3>48=8.
7?>;720 A5 70 >75;5=O20=5 =0 ?0@:>25, 0;58, AB5=8,
>3@048. 0AB5 102=>, FJDB8 A;543-4-3>48H=0 2J7@0AB.
74J@60:@0B:>2@5<5==8 ?>=86020=8O=0 B5<?5@0BC@0B0
4><8=CA22 3@04CA0. 5A=>?>=0AO ?@5A0640=5 8
?>4@O720=5. 07<=>6020 A5 A @57=8F8, >B2>48,
A5<5=0.

%818A:CA A8@89A:8 8;8 C3C=E20, 8;8 @>70=0 (0@J=. AO:0
3>48=0 >B N;8 4>>:B><2@8 AB@0=0B0 ?>BJ20 2
F25B>25B5 =0 E818A:CA0 <C3C=E20, :>8B>A0
<=>3>874@J6;828, =5 A5 AB@0EC20B >B 1>;5AB8 8
=0A5:><8. !8<2>;8G=>B>7=0G5=85 =0 F25B5B>
8420 >B:>@5=0=0=53>2>B>8<5- <C3C=, :>5B>
>7=0G020 157A<J@B85. .6=>:>@59F8B5 A<OB0B, G5 B>B>G=>
>B@07O20 157A<J@B=0B0 ?@8@>40=0 >@5O,
24JE=>25=85B>, @5H8<>ABB0 8 C?>@8B>ABB0=0
:>@59A:8O=0@>4. 0B>20 3>A<OB0B 70 F25B5B>=>0
.6=0 >@5O.

%818A:CA A0140@8D0 (H. sabdariffa) A BJ@3>2A:8=08<5=>20=8O:

:>=>? >75;0,!80<A:0

NB0,NB0>B/20.">205AJI0B0

>=078 AC40=A:0@>70

,>B:>OB>?@02OB G00

:0@:045

8AB0B0,ABJ1;0B0

8G0H:8B5=0@0AB5=8OB08<0B

G5@25=8:02F2OB8?>GB8

FO;>B>@0AB5=85157

:>@5=8B55AJ54>1=>. @5A=8B5;8AB0

A5

87?>;720B2A0;0B8;A5<5=0B0,:>8B><=>3>?@8;8G0B

=0ACA0<,A5?@5?8G0B8A<;5=8A587?>;720B2AC?88

A;04:0@A:88745;8O.

0B>;:>20?>?C;O@=8O=0?>A;54J:G09A5

87?>;720B=5F25B>25B5,:0:B>?8H5=0>?0:>2:8B5A

:0@:045,0G0H:8B5=0F25BG5B0B0.!:54:0B>

?@5FJDB8F25BJB,

G0H:0B070?>G2040=0@0AB208A5

C25;8G0205-6?JB8,

AB020A>G=08<5A5AB0.!!J18@0B

G0H:8B57054=>AJA7@5;8B5

?;>4>25.@5A=838

87?>;720B7065;5,?@83>B2OB>BBOE

A>A>25,

:><?>B8,87?>;720B70>F25BO20=5=0?>-157F25B=8B5

?;>4>28:>=A5@28->B0=0=0A,=0?@8<5@.

%818A:CA:>=>?5=-

(Hibiscus cannabinus) 5284E818A:CA,:>9B>

?@>87E>64025@>OB=>>BN6=078O,<0:0@G5

8AB8=A:0B0<C@>48=05=58725AB=0.>7=0B5?>4

<=>65AB2>=08<5=>20=8O

8BJ@3>2A:8=0720=8O-

:>=>?hibiscus,:>=>?>B0<1>(Gambo hemp),

A80<A:0NB0,k5naf,

NB0>B8<;8(Bimlipatam jute),:>=>?>B<10@8,

0?C;0>B!0=

\$@0=F8A:>,Dah,Meshta84@.53>1J@:09B5A:0=018A0

-B>78

284E818A:CA=5AJ4J@60?A8E>B@>?=825I5AB20.

Hibiscus cannabinus 554=>3>48H=>8;842C3>48H=>B@528AB>

@0AB5=85,:>5B>87@0AB20=028A>G8=01,54>3,5<.!BJ1;>B>

<C51-2A<2480<5BJ@,=528=0385@07:;>=5=>.AB>@8OB0

=0=53>2>B>

>B3;5640=55<=>3>4J;30,70@048

@0AB8B5;=8B52;0:=0,:>8B>A5

?>;CG020B>BACE8B5

ABJ1;08CA?5H=>:>=:C@8@0B:>=>?0."5A0

?>:JA8,

=5A5>B;8G020BA2>4>CAB>9G82>AB,=>A074@0288

5;0AB8G=8.7?>;720BA5702J65B0,B5E=8G5A:8BJ:0=8

-?>-3@C18,=>8<=>3>D8=8,E0@B8O.BB>78284:>=>?

A5?@02OB8GC20;8B570:0D5.BA5<5=0B0<CA5

872;8G0BB5E=8G5A:8<0A;0.B3;5640A52=48O,

8B09,

@078;8O,!),#715:8AB0=.

%818A:CA:8B09A:8

-(H. rosa-sinensis) @0AB527B>G=078O8=0

>AB@>28B52"8E8O>:50=">2054>1@5?>7=0B0B0=88

>18G0=0AB09=0

:8B09A:0@>70

.!<OB0A570

=0F8>=0;=>F25B5=00;0978O.53>28B5?5B;8AB5=F0

A8<2>;878@0B

?5BB570?>2548=08A;O<0.>G8B0B3>

=5A0<><NAN;<0=8B52AB@0=0B0,

=>8578G=8F8B5,8

:8B09F8B5, 8 8=489F8B5. &5=8 A5 70 A2>8B5 : @0A828
F25B>25, =5? @5B5=F8>7=>AB, 1J@7 @0AB56. ! 2@5<5B> AB020
3>;O< E@0ABA ?8I=0 :>@>=0 8 5 <=>3> ?>4E>4OI 70
>D>@<O=5=0 ?@>AB>@=8 ?><5I5=8O, 78<=8 3@048=8,
>D8A8.

C=0A :8B09A:0B0 @>70 5 54=> >B=09-;N18<8B5 8
@07?@>AB@0=5=8 AB09=8 F25BO. "O 5 :><?0:B5=, A8;=>
@07:;>=5= E@0AB 8;8 4@J2G5, :>5B> <>65 40
4>AB83=5 28A>G8=0 4>@8 4> 2-3 <. 8AB0B0 9 A0
BJ<=>75;5=8, 1;5ABOI8, C4J;65=> O9F5284=8, A
=07J15=8 : @08I0, 54@8- 4>15 A<. &25B>25B5 9 A0 54@8 >B
9 4>12 A< 2 480<5BJ@, ?5B;8AB=8, ?@>AB8 8 :8G5AB8. &25BJB
8< <>65 40 1J45 >B 1O; 4> 6J;B, =0A8B5=> @>7>2 4>
BJ<=>G5@25=. &JDB8 ?@57 ;OB>B> 2 ?@>4J;65=85=0
=O:>;:> <5A5F0.

8B09A:0B0 @>70 =5 5 <=>3> :0?@87=> @0AB5=85, => 8
BO A8 8<0 A2>8B5 >A>15=>AB8. 09->18;=> 8
?@>4J;68B5;=> FJDB8 8 A5 @072820, :>30B> 9 A5
>A83C@8 O@:0 A25B;8=0, B>?;8=0, C<5@5=0 2J74CH=0
2;06=>AB 8 ?>AB>O==> 2;06=0 ?>G20. 5 ?>=0AO
>10G5 48@5:B=>B> A8;=> >3@O20=5 >B A;J=F5B> 8
B5G5=85. %818A:CAJB 874J@60 8=0 AO=:0, => ?@8
=54>AB0BJG=0 A25B;8=0 FJDB8 <0;:> 8 A5 @072820
?>;>H>. >AB025= =0 A25B;> <OAB>, >15 ?@57 <0@B
A5 ?>O2O20B ?J@28B5 <C ?J?:8. ?>A;5 FJDB8 ?@57 FO;>B>
;OB> 4> :JA=0 5A5=.

@57 ;OB>B>, :>30B> >18:=>25=> A5 87=0AO =02J=, A5
=C6405 >B ;5:> 70A5=G20=5 ?@57 >154=8B5 G0A>25,
2A5:84=52=> ?>;820=5, @54>2=> ?>4E@0=20=5 A
>@30=8G=8 8 <8=5@0;=8 B>@>25 8 4>AB0BJG=0
2;06=>AB. !;54 023CAB ?>4E@0=20=5B> B@O120
?>AB5?5==> 40 A5 =0<0;8, 0 ?@57 78<0B0 40 A5 ?>;820
?>-@O4:>. ?B8<0;=0B0 B5<?5@0BC@0 70 78<=8O
?5@8>4 5 >:>;>15°!.

@57 78<0B0 A@54=0B0 B5<?5@0BC@0 B@O120 40 5 <8=8<C<13
3@04CA0.
!25B;8=0B0 B@O120 40 5 2J7<>6=> =09 <=>3>, :0B> A5
871O320 ?@O:0B0 A;J=G520 A25B;8=0.
>G20B0 B@O120 40 5 2;06=0 ?@57 FO;>B> 2@5<5. @57
78<0B0 ?>;820=5B> <>65 40 A5 =0<0;8.
'5AB> ?@JA:09B5 ;8AB0B0.
@5A0640=5B> A5 872J@H20 @0==0 ?@>;5B, 2AO:0 3>48=0.

%818A:CAJB ?@84020 ?@5:@0A=0 0B<>AD5@0 8=0 3@048=0B0.

A>15=>A8;5=55D5:BJB2?5@8>40=0>18;=8OFJDB56
?@57;OB>B>.

04J;68B5;=>2:0@09B5A0:A8OB02:JI8,?@548405
?04=0;0?J@20B0A;0=0.

07<=>6020=5: @57<5A5F<09,G@57@57=8F8?@8
B5<?5@0BC@020-253@04CA0.(0?>-4>1J@ @57C;B0B
?>E;C?5B5AJAABJ::5=1C@:0=8;8=09;>=>2?;8:.)

">@5=5: @57?@>;5BB0;OB>B>1?JB=02A54<8F8A
<8=5@0;=88>@30=8G=8B>@>25.
A5=B078<0B00:>5=0ABC45=>=5A5=0B>@O20,=>0:>
5=0B>?;>254=J62<5A5F0.

:0?20=5B>=0?J?:8B5A54J;68=0925@>OB=>=0
ACE0B0?>G208;8@O7:0B0?@><O=02B5<?5@0BC@0. :>
;8AB0B070?>G=0B40A5=0:J4@OB2J74CEJB25@>OB=>5
?@5:0;5=>ACE.B>70I>;8AB0B0B@O120@54>2=>40A5
?@JA:0B?@57?@>;5BB08;OB>B>. :0?20I8B5;8AB0A07=0:
70?@5:0;5=>ACE0B0?>G20.J7<>6=>5AJI>B0:0?@57
<OAB>B>=0@0AB5=85B>40<8=020B5G5=858;8?J:40AB5
3>?@5?>;O;8.25=BC0;=82@548B5;8A0;8AB=82JH:88
0:0@8.

=8<0=85!

8B09A:0B0@>70 =5>18G0ABC40.

0I>;8AB0B09?040B?

%818A:CAJB525G=>75;5=>@0AB5=85,=>0:>A54J@68=0
E;04=>3C18;8AB0B0A8.
:>A5A;CG8B>20,@0AB5=85B>B@O120?@57FO;0B078<040
A54J@68AJAACE0?@JAB,70I>B>B>A5=0<8@02AJAB>O=85
=0?>:>98G0:=0?@>;5BI5A5?>O2OB=>28;8AB0.
:>A25B;8=0B05A;010;8AB0B0AJI>?040B.

040FJDB8?@57FO;0B03>48=0

A09=5>1E>48<8:

-O@:0A25B;8=0;
-?>AB>O==0B5<?5@0BC@0;
-C<5@5=02;06=>AB.

>30B>@0AB5=85B>70AB0@55:

:>@0AB5=85B>=5FJDB8B>;:>20?8I=>870?>G=540
;8=55-4>H;>52@5<570@048:0;=0@578B10.09-4>1@55
B>2040A5=0?@028?@575A5=B0,=>0:>2A5>I520H5B>
F25B5FJDB8,>B;>65B5B078>?5@0F8O70?@>;5BB0.

0I> ?J?:8B5 9 :0?OB?

J?:8B5 8 >:0?20B 0:> A25B;8=0B0 5 A;010 8;8 ?J: AB5

A<5=8;8 <5AB>?>;>65=85B> =0 @0AB5=85B>.