

E < 5 O - Aechmea

gradinar, = 5 4 5 ; O 21 N = 8 2009 - 13:24:30

! 5 < 5 9 A B 2 > : = 0 = 0 A > 2 8 - Bromeliaceae

@ > 8 7 E > 4 : ! @ 5 4 = 0 8 . 6 = 0 < 5 @ 8 : 0 , = B 8 ; A : 8 B 5 > A B @ > 2 8

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

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

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

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

@0420B.

O:>8284>25:

Aechmea fasciata 4>AB8304>50A<28A>G8=0. 8AB0B0A0A82>-75;5=8
A=0?@5G=8A@51@8AB8?5B=0,A1>4;820?>2J@E=>AB8
2J@E>25. !JF25B85B>A5?>O2O20?@57;OB>B>.">5
:>=8G=>84>AB83015A<4J;68=0. !JAB025=>5>B3>;O<
1@>9@>7>281@0EB58A1>4;828@J1G5B0. B?0728B58<
?5@8>48G=>87;870B B@J15AB8F25BG5B0,:>8B>
?J@2>=0G0;=>A0A8=8,0?>:JA=>?>@>7>2O20B. @8
4>1@8CA;>28OAJF25B85B><>6540A570?0784>?>;>28=
3>48=0.

Aechmea fulgens discolor ;8AB0B0A0;8;028>B4>;=0B0AB@0=0,
F25B>25B5A0O@:>G5@25=88A0?>A;5420=8>B
4J;3>B@09=8?;>4>25

Aechmea chantinii ?>-54@0,A?>-O@J:8@07B2>@5=F2OB

Aechmea caudata A@07:;>=5=8"3;028">B6J;B8F25B>25

Aechmea servitensis AO@:>75;5=8,?>-BJ=:88?>-=56=8;8AB0,?>
?5@8D5@8OB08=02J@E>25B5A<0;:81>4;8. !JF25B8OB0A0
<5B;>284=86J;B8,@>7>28,G5@25=8. 0@048?>-=56=8B5
A8;8AB0B0785E<5OB@O12040A5?078=0?J;=>>B?@5:8
A;J=G528;JG8.

OAB>70>B3;5640=5:

>4E>4OI>570?@>AB>@=8?><5I5=8O. 0AB5=85B>
>18G0B>?;>8A;J=G52><OAB>. >2J7<>6=>AB3>4@J6B5
=0>B:@8B>?@57;OB>B>,05A5=B03>2:0@209B52
?><5I5=85. B3;5640A5?@8C<5@5=0B5<?5@0BC@0,=>=5
?>-=8A:0>B10!*?@5778<0B0. !8;=8B5B5<?5@0BC@=8
:>;510=8OB@O12040A5871O320B.

>;820=5:

"@O12040A5?>;820AD8;B@8@0=02>40,8=0G5?>;8AB0B0I5
A5?>O2OB15;8?5B=0. @57;OB>B>G5AB>?@JA:09B5
@0AB5=85B>AB>?;02>40,7040<C>A83C@8B5=C6=0B0
2;06=>AB=02J74CE0.

>4E@0=20=5:

>2@5<5=0@0AB560?>4E@0=209B52AO:0A54<8F0AB5G=0
B>@. @5FJDB5;8B5F25B>25A5>BAB@0=O20B. ?5@8>40=0

@0AB56 A5 =C6405 >B @54>2=> 70E@0=20=5 8 >18;=>
?>;820=5, ?@57 78<0B0 ?>-C<5@5=> ?>;820=5.

"5<?5@0BC@0:

"5<?5@0BC@0B0, ?@8:>OB> A5 GC2AB20B =09-4>1@5, 5
C<5@5=0B0. @57 78<0B0 >10G5 =5 B@O120 40 5 ?>=8A:0 >B10
3@04CA0. @><5;8528B5 A B2J@48 ;8AB0 <>30B 40 A5 >AB02OB
=0 ?J;=> A;J=F5, :0B> A5 ?@54?0720B A0<> >B >154=>B>.
0AB5=8OB0 A <5:8 ;8AB0 =5 ?>=0AOB 87>1I> ?@5:8B5
A;J=G528 ;JG8.

">@5=5:

> 2@5<5 =0 FJDB560 >B <09 4> >:B><2@8 =02 A54<8F8.
>65 >B 2@5<5 =0 2@5<5 40 A5 ?@JA:0 A B>@. 7?>;720 A5
B>@ 70 1@><5;88 8;8 B>@ 70 AB09=8 @0AB5=8O, :0B> 4>70B0 5 ½
>B ?@5?>@JG20=0B0 70 4@C38B5 @0AB5=8O.

@5A0640=5:

5 5 =5>1E>48<>. >28B5 @>75B:8 A5 70A0640B 2 ;5:0
@>E:020 ?@JAB, 0 =09-4>1@5 2 A?5F80;=0 ?@JAB 70
1@><5;88.

07<=>6020=5:

07<=>6020 A5 A @57=8F8 ?@57 ;OB>B>, 0 A5<5=0B0,
?>A045=8 =0 ?@>;5B, ?@8 B5<?5@0BC@8 >:>;>20 !* 1J@7>
?>=8:20B.
09-;5A=8OB A?>A>1 70 @07<=>65=85 =0 5E<5OB0 5
>B45;O=5B> =0 4JI5@=8B5 @>75B:8. @8 =0H8B5
;>8<0B8G=8 CA;>28O =09-?>4E>4OI>B> 2@5<5 5 >B
D52@C0@8 4>0 ?@8;. 5AB0B0 =0 >B@O720=5B> A5 ?>A8?20B
AJA AGC:0=8 4J@25=8 2J3;8I0 8;8 A <548F8=A:0 AO@0, 70 40
=5 703=8OB. >75B:8B5 A5 70A0640B ?;8B:> 2 <0;:8 A0:A89:8,
=0?J;=5=8 A ;5:0 ?>G25=0 A<5A >B B>@D, 83;>;8AB=0
;8AB>2:0 8 ?OAJ:. 0E;C?20B A5 A 1C@:0= 70 ?>44J@60=5 =0
28A>:0 2J74CH=0 2;06=>AB 8 ?@8 AB09=8 CA;>28O A5
2:>@5=O20B 70 >:>;>2 <5A5F0.
A>15=> :@0A82> I5 873;5640B <;048B5 5E<58, 0:> 38
?>4@548< 2 >1I0 :>H=8F0 8;8 38 :><18=8@0<5 A 4 @C38
1@><5;88 2"1@><5;852> 4J@2>".

?0A=>AB8:

- 57:8 B5<?5@0BC@=8 :>;510=8O;
- /@:> >154=> A;J=F5.

@548B5;8:

- 8AB=8 2JH:8 ?> 3>@=0B0 AB@0=0 =0 ;8AB0B0. >@075=8B5
;8AB0 ?>6J;BO20B 8 C<8@0B.
- @><5;8520 I8B>=>A=0 2JH:0 8 >B 425B5 AB@0=8 =0

;8AB0B0. >@075=8B5;8AB0?>6J;BO20B8C<8@0B.
- 0<C::89:0 @0AB5=85B>A?8@0 @0AB560A8,;8AB0B0
6J;B5OB8C<8@0B. 0;8G85B>85?@54?>AB02:0703J18G=8
701>;O20=8O.
- :0@ 8>B425B5AB@0=8=0;8AB0B0. >?>@075=8B5;8AB0A5
?>O2O20B?0O68=8,;8AB0B0?>6J;BO20B8C<8@0B.

>30B>A5=0;030B@5B8@0=5=0 @0AB5=85B>A?@5?0@0B8
A@5IC2@548B5;8,B@O12040A52=8<020?@5?0@0BJB40=5
>AB0=52@>75B:0B0.