

**& 8 3 0 = G 5 - Impatiens sultani**

gradinar, A J 1 > B 0 20 A 5 ? B 5 < 2 @ 8 2008 - 15:14:39

Normal 0 21 false false false MicrosoftInternetExplorer4 Normal 0 21 false false false MicrosoftInternetExplorer4

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

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

Normal 0 21 false false false MicrosoftInternetExplorer4 # = 0 A 3 > = 0 @ 8 G 0 B **F 8 3 0 = G 5** ,

A 8 3 C @ => 2 A 5 7 0 @ 0 4 8 B 0 7 8 = 5 ? @ 5 B 5 = F 8 > 7 => A B 8 2 5 A 5 ; 8 ,  
H 0 @ 5 = 8 F 2 5 B > 2 5 , 2 = 3 ; 8 O 7 0 @ 0 4 8 " C A J @ 4 => B > " A 8 8  
? @ > 4 J ; 6 8 B 5 ; => F J D B 5 = 5 A 0 3 > = 0 @ 5 : ; 8 "Busy Lizzie", @ C A = 0 F 8 B 5  
3 > = 0 @ 8 G 0 B 3 0 ; L > 2 => " < > : @ 8 O 0 = : 0 " , 7 0 I > B > ? @ 5 4 ? > G 8 B 0  
2 8 = 0 3 8 4 0 < C 5 ? > - < > : @ 8 G : > 8 ; 8 "> 3 J = G 5" , 7 0 @ 0 4 8 O @ : 8 B 5 < C  
F 2 5 B > 2 5.

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

**Impatiens**

8 *Impatiens balsamina*.

*Impatiens walleriana*

5B;>;N182>5,@0AB54>1@58=0A525@=8?@>7>@F8,=>3>  
?075B5>B?@5:8A;J=G528;JG8.@57;OB>B>8<0=C640>B  
>18;=>?>;820=5,0?@5778<0B0-C<5@5=>.55  
278A:0B5;=>:J<?>G20B0.@575A5=B0878<0B0B@O12040  
A54J@68=0B5<?5@0BC@0=04103@04CA0,70I>B>A?8@040  
FJDB8870?>G20B40?040B;8AB0B0<C.

**Impatiens walleriana** Hook. (A8=>=8<8-I.hostii Engl. et Warb., I. sultanii Hook. f.).

>48=0B0<C57B>G=0D@8:0("0=70=8O,>70<18:).0AB52  
?;0=8=8B5=028A>G8=04>1700<,>1@53>25B5=0  
?;0=8=A:8B5@5:8.  
B:@0O=0%25:A5>B3;5640:0B>:C;BC@=>@0AB5=85.  
">20<=>3>3>48H=>@0AB5=85A5>B3;5640?@5482A8G:>  
:0B>A0:A89=>,8<0A8;=>@07:;>=5=>,AB5;5I>A5  
A25B;>75;5=>ABJ1;>A28A>G8=02535A<8  
5;8?A>284=>;0=F5B=8;5:>=07J15=8;8AB0,  
A25B;>75;5=88;8BJ<=8A;8;0255I,1@>=7>2>BB5=J:.  
5=G5;8ABG5B0B0A0?;>A:8,@07?>;>65=8=0:JA8  
4@J6G8F82?0728B5=0;8AB0B0,A?5B0A8<5B@8G=8;8AB5=F0  
8<0;:05;530=B=0H?>@0-480<5BJ@JB8<54>33,5A<.  
103@5=8A0@07=>>1@07=>-21O;>,>@>7>2>,>@0=652>,  
:>@0;>2>G5@25=>,F8:;0<5=>,O@:>G5@25=>,>8;02>.<0  
842CF25B=8,0B0:0AJI>8:8G5AB8A>@B>25.=5AF25B0@8B5  
BJ@3C20BAJA12020@85B5B0=0B>20?>7=0B>>B3>48=88  
;N18<>F25B5.

@5770-B53>48=854=05:A?548F8O2>2028=5O,:>OB>  
BJ@A8@>4>45=4@>=8,=0@54A4@C38B5>1@07F84>=0AO2  
5@8;5=48@07;8G=8284>258<?0B85=A.=>3>>BBOE  
703820B,=>>F5;5;8B5AB020B87E>45=<0B5@80;,>A:>9B>  
@01>BOB<=>3>A5;5:F8>=5@8,4>:0B>A5?>O2OB  
C4828B5;=><=>3>A>@B>258@07F25B:8=0<?0B85=A>20  
28=5O."5A0A?>-54@8F25B>25,>1@07C20B?>-:><?0:B=0  
:>@>=08FJDBOB?>->18;=>>B;N18<8B5=8F830=G5B0.

?>A;54=8B5=O>;>3>48=88C=0AA5?>O28E0=>28B5  
A>@B>25 **Impatiens New Guinea**, 702;045;83@048=8B5=02@>?08  
<5@8:0,?>;CG5=82@57C;B0B=04J;3>3>48H=0B0@01>B0  
=0A5;5:F8>=5@8B5.

>2028=5O1J@7>A5@07?@>AB@0=O2084=5A<0A>2>A5  
87?>;7202?>-A5=G5AB842>@>2583@048=8,70A045=2  
@07=>F25B=83@C?88;81>@4N@8,2A0:A888A0=4JG5B0=0  
?5@2078B5=0?@>7>@F8810;:>=8,2J228AOI8:>H=8F88;8  
20;?8=5C<8.2?>-A525@=8B552@>?59A:8AB@0=8A:JA>  
;OB>8<=>3>20;568;N18B5;8B5=0F25BOB03>>B3;5640B  
F5;>3>48H=>:0B>A0:A89=>@0AB5=85.

09-?>?C;O@=8BJ@3>2A:8A>@B>25A00@04097,%0@<=>=8,  
!J=H09=,<?@5HJ=,!5;51@59HJ=8NJ@NB8,?@54;030=8  
?@0:B8G5A:8>B2A8G:8F25B>?@>872>48B5;8.  
0B>54=>3>48H=>3@048=A:>@0AB5=85C=0AA5>B3;5640  
8 **Impatiens balsamina**.!5<5=0B0<CA5A5OB@0=>?@57?@>;5BB0,

=0?@02>23@048=0B0. 0B>?>=8:=0B8?>@0A=0B<0;:;>,A5  
@07A0640B=0?>AB>O==><OAB>. >6540A5:C?883>B>2  
@07A04. >97=0570I>F25B0@:8B5=0?070@0>A25=  
10;70<8=0,3>=0@8G0B82J@18G5. 18G0A;J=G52>, >B:@8B>  
<OAB>, =>B@O12040A5?>;820@54>2=>,7040=5:;N<=0B  
A>G=8B5ABJ1;0.  
&JDB8>18;=>?@57FO;>B>;OB>->BN;84>:@0O=0  
A5?B5<2@8A:8G5AB8F25B>25-15;8,@>7>28,;8;028. <5==>  
=53>28B5A5<5=8:CB89:8A5>B20@OBA?C:0=5,4>@8A0<>  
?@8?>-A8;5=2OBJ@,8?@JA:0B<0;:8,:@J3;8,:0DO28  
A5<5=F0.">20<C?><03040A5A0<>70A0640."0:08=0  
A;5420I0B03>48=0=8@0420A<=>3>1@>9=8B5A8F25B>25.  
!5<59AB2>B>=08<?0B85=A8B5(Balsaminaceae)53>;O<>,=>2A8G:8  
G;5=>25=0B>20A5<59AB2>A8?@8;8G0B. A8G:88<0B  
A>G=>ABJ1;>,54=0:20D>@<0=0F25B08<>30B40FJDBOB  
?@57FO;0B03>48=0. 0:0@;8AB0B08<40A0AJA@07;8G=0  
D>@<08>F25B020=5,4J;38OB?5@8>4=0FJDB565  
E0@0:B5@5=702A8G:8. F25B>25B5=02A8G:8@0AB5=8O  
C?@02;O20!;J=F5B>82AO:>@0AB5=85>BB>20A5<59AB2>5  
B@C65=8;,:>9B>70@56400B<>AD5@0B0AJA;J=G520  
5=5@38O;<?0B85=AJBAJ74020B>;00B<>AD5@0. >;57=>  
**5408<0B0:>20@0AB5=85** =0>1I5AB25=8<5AB08;824><,  
:J45B>G5AB>8420B<=>3>@07;8G=8E>@0. ;03>40@5=85  
=0=53>0B<>AD5@0B02=CH020=0E>@0B0  
4>1@>65;0B5;=>AB,4>1@>>B=>H5=85548=:J<4@C3.  
@C3>>1I>702A8G:88<?0B85=A8 5A>G=>B>ABJ1;>.  
!BJ1;>B>A2J@720<5AJA!0BC@=. !BJ1;>B>5>?>@0B0,  
A8;0B0=0E0@0:B5@0,=>2A>G=8B5ABJ1;0=0B>20  
?@5:@0A=>F25B575<=8OB!0BC@=5AJ548=5=A2;06=0B0  
C=0.!0BC@=8 C=0B0A0425?@>B82>?>;>6=>AB8,:>8B>  
BC:A5AJG5B020BA?>;CG;82>.%C102>5408<0B0:>20F25B5  
24><,:J45B><564C4><>G0485B>AJI5AB2C20BA8;=8  
@07=>3;0A8O,2>45I84>:=D;8:B8,:J45B>G5AB>871CE20B  
A?>@>25,70@048=5?@85<0=5=0GC64>B><=5=85.  
**<?0B85=AJB=5CB@0;878@05=5@38OB0=0:>=D;8:B0** ,  
>A2>1>640200B<>AD5@0B0>B@07:0B05=5@38O=0  
:=D;8:B0,873;0640=0?@565=85B>,0B<>AD5@0B0AB020  
?>-<5:0,:0@0E>@0B040?>3;54=0B=0?@>1;5<8B5A  
EC<>@.  
**07<=>6020=5:** 07<=>6020A5G@57@57=8F8>B  
AB@0=8G=8B5:;>=:8,:>8B>;5A=>A52:>@5=O20B2?OAJ:  
8;8?5@;8B,15740A5?>;820B,4>:0B>4040B?@87=0F8=0  
@0AB56. @5?>@JG2040A5?>:@820B>B3>@5A?@>7@0G5=  
AJ4840A54J@60B=0B>?;>.:!;542:>@5=O20=5B>,A5  
?>A0640B>B=0G0;>2<0;:8(!8-9),0?>A;582?>-3>;5<8  
A0:A88(!11-13).  
040FJDB8>18;=>,4>1@55?@571-23>48=840A5  
?>4=>2O20G@57@57=8F8.

Normal 0 21 false false false MicrosoftInternetExplorer4 Normal 0 21 false false false MicrosoftInternetExplorer4  
;8O=85 2J@EC 5<>F8>=0;=>B> AJAB>O=85:

!;J=F5B>, 70 :>5B> =O<0 ?>:>9, 24JE=>2O20 8<?0B85=A0  
40 FJDB8 ? @57 FO;0B0 3>48=0, 40@O20 @0AB5=85B> A <=>3>  
=5>18:=>25=8 A2>9AB20. !;J=F5B> 5 ?;0=5B0B0 =0  
B2>@G5AB2>B> 8 8<?0B85=AJB 24JE=>2O20 E>@0B0,  
?>4B8:20 38 :J<>@838=0;=0, B2>@G5A:0 459=>AB.  
0AB5=85B> 5 ?>;57=> 70 >=578, =0 :>8B> 2A8G:> 8< 5  
><@J7=0;> 8 B@C4=> 87?8B20B @04>AB. >4 =52848<8B5  
D;C848=0 B>20 @0AB5=85 2 G>25:0 A5 ?@>1C640 65;0=85B>  
40 C:@0AOB 459AB28B5;=>ABB0>:>;> BOE, 40=0?@02OB =5I>  
?@8OB=> 2A5:8<C. 4=0 A0:A8O A FJDBOI 8<?0B85=A <>65 40  
=0?@028 GC4> 2 0B5;85B> =0 <09AB>@0. 0AB5=85B> AJ1C640  
2 G>25:0 8=B5@5A :J< 682>B0 8 AJ7840B5;=>AB, @072820  
A?>A>1=>ABB0 <C 40 28640 A25B;>B> 8 EC102>B>. >4  
=53>2> 2;8O=85 A5 @0640B 8=B5@5A=8 8458 70 ?@><O=0.  
>;575= 5 28=038, :>30B> G>25: A5 GC2AB20 87>AB0=0; >B  
682>B0, 8;8 :>30B> 4 @C38B5 3> =0 @8G0B :>=A5@20B>@.  
!0BC@= 8 C=0B0, AJ548=5=8 2 ABJ1;>B> =0 @0AB5=85B>,  
?@84020B =0 @0AB5=85B> A?>A>1=>AB 40 ?><030=0 G>25:0  
2 :>=D;8:B0 <564C "B@O120" 8"8A:0<". /:> =5 AB5 A83C@=8 2  
871>@0 A8, :>;51059:8 A5 <564C A2>8B5 65;0=8O 8  
?>4G8=O20=5B> =0 =O:0:28 >1AB>OB5;AB20, 275<5B5 A8  
8<?0B85=A. >4 =53>2> 2;8O=85 I5 A5 =0CG8B5 40  
AJG5B020B5 ;8G=8B5 A8 8=B5@5A8 A >1AB>OB5;AB20B0 =0  
?@8=C40, B0:0 G5 ?>4G8=5=85B> I5 AB0=5 70 20A ?>;57=>.  
">20 <C A2>9AB2> 5 ?>;57=> 8 70 >=578, :>8B> G5AB>  
A::NG20B =O:0:28 187=5A A45;;8, @01>BOB A ?0@B=L>@8.  
;03>40@5=85 =0 8<?0B85=A0, G>25: @0718@0 :0: 40  
=0?@028 4>3>2>@0 873>45= 8 70 425B5 AB@0=8.

;8O=85 2J@EC 74@025B>:  
<?0B85=AJB ?@8=04;568 :J< 7=0:0 =0 J20, C?@02;O20=  
>B !;J=F5B>. J2JB C?@02O20 AJ@F5B> 8 157A?8@=>  
FJDBOI8OB 8<?0B85=A 70I8B020 B>78 >@30=>B 2AO:0:28  
701>;O20=8O. >ABJ1;>B> <C 87@07O20 O@:> 2@J7:0B0 =0  
!0BC@= 8 C=0B0, 0 B>20 AJG5B0=85 =0 ?;0=5B8 <>65 40 1J45  
A2J@70=> A @52<0B87<0, A GC2AB28B5;=>ABB0 =0 AB028B5 ?@8  
?@><O=0 =0 2@5<5B>. !0<>B> ?@8AJAB285 =0 8<?0B85=A0 2  
4><0 =8 >10G5 =8 ?@54?0720 >B AJ@45G=8  
=5@07?>;>65=8O 8 2AO:0:28 D>@<8 =0 @52<0B87J<.