

; ? 8 = 8 O - *Alpinia sanderae*

gradinar, = 5 4 5 ; O 08 N ; 8 2012 - 13:26:47

& J D B 5 6: 4 5 : > @ 0 B 8 2 = >; 8 A B => @ 0 A B 5 = 8 5

! 5 < 5 9 A B 2 >: Zingiberaceae ( 4 6 8 = 4 6 8 D 8 ; > 2 8 )

> 4 8 = 0: >; 8 = 5 7 8 O

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

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

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

@ 8 6 8

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

0 7 < = > 6 0 2 0 = 5  
0 ? ; 0 = 8 @ 0 = > @ 0 7 < = > 6 0 2 0 = 5 @ 0 7 4 5 ; 5 B 5 @ 0 A B 5 = 8 5 B > ? @ 5 7  
< 0 @ B .

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