Key to the species of *Megalastrum* in Central America

1.	Indusia present and conspicuous, circular, 0.5–0.7 mm diam.; sori
	restricted to the apical portion of the segments; Costa Rica
1.	Indusia absent or inconspicuous, hair-like, minute; sori throughout the
	length of the segments; Costa Rica and elsewhere
	2. Laminae at base 1-pinnate-pinnatifid to 2-pinnate-pinnatisect, medially
	1-pinnate-pinnatifid to 2-pinnate
	3. Pinna rachises densely pubescent adaxially
	3. Pinna rachises glabrous to subglabrous adaxially, the hairs when
	present only at base of pinnae rachis)
	4. Hairs on both surfaces of the leaf rachises 0.1–0.2 mm long, 1- or
	2-celled, acicular
	4. Hairs on both surfaces of the leaf rachises ca. 1 mm long, 6-8-
	celled, strongly jointed (twisted at the septae)
	2. Laminae at base 3-pinnate-pinnatifid to 4-pinnate-pinnatisect, medially
	2- to 3-pinnate-pinnatisect
	5. Hairs on the pinna rachises adaxially 0.1-0.2 mm long, 1- or 2(-4)-
	celled
	6. Laminae between the veins on both surfaces puberulent, the hairs
	ca. 0.1 mm long, acicular, erect
	6. Laminae between the veins on both surfaces glabrous
	7. Leaves up to 1.5 m long; laminae 3-pinnate-pinnatisect at base;
	scales on the abaxial surface of the pinna rachises inconspicuous,
	entire, flaccid, appressed; adaxial surface of the veins non-
	glandular M. palmense
	7. Leaves up to 4 m long; laminae 4-pinnate-pinnatisect at base;
	scales on the abaxial surface of the pinna rachises conspicuous,
	strongly denticulate, firm, spreading; adaxial surface of the veins
	glandular, the glands sessile, spherical
	5. Hairs on the pinna rachises adaxially 0.3–2.0 mm long, 4–12-celled
	8. Stalked glands present on the lamina abaxially (these glands ca.
	0.1–0.3 mm long, hairlike with apical cell shiny, enlarged, spherical
	or clavate)

Leaves up to 4 m long; laminae 4-pinnate-pinnatisect at base;
basal pinnae up to 1 m long; scales of the pinna rachises abaxially
strongly and conspicuously denticulate
9. Leaves up to 1.5 m long; laminae 3-pinnate-pinnatisect at base;
basal pinnae up to 0.15-0.4 m long; scales of the pinna rachises
abaxially entire to denticulate
10. Lamina tissue between the veins adaxially pubescent; scales of
the pinna rachises ca. 1.5 mm wide, ovate to lanceolate, flaccid M. lunense
10. Lamina tissue between the veins adaxially not pubescent;
scales of the pinna rachises ca. 0.2-0.4 mm wide, filiform to
lanceolate, linear or oblong, firm
11. Lamina abaxially between the veins pubescent with long-
stalked glandular hairs only (not intermixed with non-
glandular ones); pinna rachis scales dark brown, filiform;
Costa Rica (endemic to Osa Peninsula)
11. Lamina abaxially between the veins pubescent with long-
stalked glandular hairs mixed with acicular ones; pinna
rhachis scales golden, lanceolate, linear or oblong; Costa
Rica, Panama
8. Stalked glands absent on the lamina abaxially
12. Scales of the pinna rachises abaxially usually filiform, 1–2 \times
0.05–0.3 mm
13. Pinna rachises abaxially pubescent, often conspicuously and
evenly so
14. Hairs on the pinna rachises abaxially 0.6-1.3(-2) mm long,
4-7(-12)-celled; veins adaxially pubescent, the hairs 0.5-1.5
mm long, 3–7-celled
14. Hairs on the pinna rachises abaxially 0.2-0.6 mm long, 2-5-
celled; veins adaxially glabrous to pubesecent, the hairs 0.2-
0.3(-0.5) mm long, 2-4-celled
13. Pinna rachises abaxially glabrous to sparsely pilose
15. Pinna rachises abaxially without hairs; laminar tissue
between veins abaxially puberulent, the hairs 0.1-0.2 mm
long, 1-3-celled, acicular, erect or (rarely) glabrous

15. Pinna rachises abaxially sparsely pilose; laminar tissue
between veins abaxially glabrous to sparsely pilose, the hairs
0.5-0.8 mm long, 2-5-celled, spreading
16. Lamina tissue between the veins abaxially glabrous; hairs
of the lamina margins 0.2-0.3 mm long; scales of the
pinna rachises abaxially 0.2-0.3 mm wide, golden brown,
not tortuous
16. Lamina tissue between the veins abaxially sparsely pilose;
hairs of the lamina margins 0.4-0.8 mm long; scales of the
pinna rachises abaxially 0.1–0.2 mm wide, brown, tortuous M. mexicanum
12. Scales of the pinna rachises abaxially usually lanceolate, (0.2-
$)2-6 \times (0.2-)0.5-0.7 \text{ mm}$
17. Lamina tissue between the veins abaxially hairy
18. Hairs of the veins adaxially typically 0.3-0.4 mm long, 3- or
4-celled
18. Hairs of the veins adaxially typically 0.7-1.0 mm long, 4-6-
celled
19. Lamina tissue between the veins adaxially pubescent
(especially toward segment apices); scales of the pinna
rachises abaxially brown, tortuous
19. Lamina tissue between the veins adaxially glabrous;
scales of the pinna rachises abaxially golden brown, flat,
firm
17. Lamina tissue between the veins abaxially hairless or nearly so
(sometimes with uniseriate, reddish appressed proscales)
20. Leaves to 4.6 m long; basal pinnae up to 1 m long; scales of
the pinna rachises abaxially strongly denticulate; hairs of the
costules adaxially 1.5–2.0 mm long, 8–12-celled
20. Leaves to 2 m long; basal pinnae up to 0.4-0.6 m long;
scales of the pinna rachises abaxially entire to denticulate;
hairs of the costules adaxially 0.4-1.0 mm long, 3-8-celled
21. Hairs of the pinna rachises and costules abaxially 0.7-1.0
mm long, 6-8-celled; scales of the pinna rachises abaxially
golden brown; leaves up to 1 m long; Costa Rica, Panama M. glabrum

21. Hairs of the pinna rachises and costules abaxially 0.2-
0.3(-0.5) mm long, 6-8-celled; scales of the pinna
rachises abaxially dark to light brown; leaves up to 2 m
long; Mexico, Guatemala, Honduras
22. Scales of the pinna rachises abaxially light brown,
appressed to loosely ascending, lanceolate M. subincisum
22. Scales of the pinna rachises abaxially dark brown,
patent, abruptly expanded at base