A NEW COMBINATION IN THE GENUS COPAIFERA (LEGUMINOSAE)\textsuperscript{1}

J. A. S. COSTA\textsuperscript{2}

\textsuperscript{1}Part of the PhD thesis of the author in the Graduate Program in Botany at the University State de Feira de Santana.

\textsuperscript{2}Universidade Federal da Bahia (UFBA). Instituto de Ciências Ambientais e Desenvolvimento Sustentável, Colegiado de Ciências Biológicas. Rua Prof. José Seabra, s/n. 47.805-100, Barreiras, Bahia, Brasil. e-mail: jascosta@yahoo.com.br

ABSTRACT

A new combination is proposed as result of recent studies in Brazilian Copaifera, in order to provide the correct names for \textit{C. krukovii}.

\textit{Copaifera} L. (Leguminosae, Caesalpinioideae) is a Pantropical genus, being composed of 33 Neotropical species, four African, and one Malaysian (Lewis et al. 2005).

Dwyer (1951) described variety \textit{krukovii} under \textit{Copaifera langsdorffii} Desf. However, the studies carried by Costa (2007) have shown that it should be recognized as a distinct species. Dwyer (1951) referred to the typical variety of \textit{C. langsdorffii} as usually possessing leaves with three or four pairs of leaflets, whereas variety \textit{krukovii} possesses six, seven or eight pairs. Therefore, I am recognizing this taxon at the species level, and the new combination is proposed here.

\textbf{Copaifera krukovii} (Dwyer) J.A.S.Costa, comb. & stat. nov.


MATERIAL EXAMINED: BRAZIL. Acre: Rio Branco Km 68, 10 Jan. 1991, Rego & Walter 730 (NY!).

COMMENTS: \textit{Copaifera krukovii} usually presents (5–) 6–7 (–8) leaflet pairs, oblong-lanceolate, 2.0–3.0 (–5.5) × 1.5–2.0 cm, glabrous or rarely scattered pubescent below, the main nervure glabrous above, glabrous or puberule below, apex attenuate or obtuse. Inflorescence paniculate, exceeding two or three times the adjacent leaves (7.5–9 cm long). Legume smooth, oblong, (3–) 3.2–3.5 × (2–) 2.2–2.5 cm, margin glabrous or scattering-pubescent; seeds oblong, 1.5–1.7 × 1.0–1.2 cm; aril covering 2/3 of the seeds.

This species is distinguished from \textit{Copaifera langsdorffii} Desf. by leaves with (5–) 6–7 (–8) leaflets pairs (3–5 leaflets pairs in \textit{C. langsdorffii}), and leaflets oblong-lanceolate (elliptic, oblong-elliptic or ovate-elliptic in \textit{C. langsdorffii}): panicule exceeding two or three times the adjacent leaves, whereas in \textit{C. langsdorffii} they rarely exceed the uppermost leaf-blades in length. Legume smooth, and larger than that of \textit{C. langsdorffii} (rugose on surface, 2.0–2.5, rarely 3.5 cm long.). \textit{Copaifera krukovii} also present other features distinct from \textit{Copaifera reticulata} Ducke that possesses ovate-elliptic leaflets, usually falcate, with apex acuminate, and
panicles are the same size or rarely shorter than leaves; legume obovate or subrotund (Table 1).

LITERATURE CITED

Table 1. Comparative diagnostic characters among Copaifera krukovii, C. langsdorffii and C. reticulata.

<table>
<thead>
<tr>
<th>Character</th>
<th>C. krukovii</th>
<th>C. langsdorffii</th>
<th>C. reticulata</th>
</tr>
</thead>
<tbody>
<tr>
<td>Leaf</td>
<td>(5–) 6–7(–8) pairs</td>
<td>3–5(–6) pairs</td>
<td>4–5(–6) pairs</td>
</tr>
<tr>
<td>Leaftlets</td>
<td>Oblong-lanceolate</td>
<td>Usually elliptic</td>
<td>Usually ovate-elliptic, falcate</td>
</tr>
<tr>
<td>Inflorescence</td>
<td>Exceeding 2–3 times the leaves</td>
<td>Usually shorter than leaves</td>
<td>Usually the same size of the leaves</td>
</tr>
<tr>
<td>Legume</td>
<td>Usually oblong, 3.5 × 2.5 cm</td>
<td>Usually rotund, 2.0–2.5 × 2.0–2.5 cm</td>
<td>Usually obovate, 2.0–3.5 × 1.5–3.5 cm</td>
</tr>
</tbody>
</table>

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