



TGP/14.2.2 Draft 1

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INTERNATIONAL UNION FOR THE PROTECTION OF NEW VARIETIES OF PLANTS
GENEVA

Associated Document
to the
General Introduction to the Examination
of Distinctness, Uniformity and Stability and the
Development of Harmonized Descriptions of New Varieties of Plants (document TG/1/3)

DOCUMENT TGP/14

**“GLOSSARY OF TECHNICAL, BOTANICAL AND STATISTICAL TERMS
USED IN UPOV DOCUMENTS”**

Section TGP/14.2.2: Botanical Terms: Hair Types

Document prepared by the expert from New Zealand

to be considered by the

*Technical Working Party for Fruit Crops (TWF), at its thirty-fourth session to be held in
Niagara Falls, Canada, from September 29 to October 3, 2003*

GLOSSARY OF TYPES OF HAIR AND PRICKLES

Aculeate	prickly, with sharp prickles
Barbed	with short, rigid, reflexed bristles <i>(Comment: Would prefer hooked to reflexed)</i>
Bristly	with stiff, strong trichomes. See also setose and hispid
Ciliate	with fine, conspicuous, marginal trichomes
Downy	short, weak, soft trichomes. See also pubescent <i>(Comment: All definitions seem to suggest downy is synonymous with pubescent – do not think we need downy)</i>
Glabrate, Glabrous	without trichomes, smooth, hairless <i>(Comment: Glabrate = almost hairless, glabrous = without hairs. We should have them listed separately)</i>
Hirsute	with long, straight, coarse, trichomes
Hispid	with very long, stiff trichomes, bristly <i>(Comment: Cannot find any reference to the hairs having to be very long. With stiff bristly trichomes, harsh to the touch. Not so distinct or sharp as setose)</i>
Pilose	with soft, shaggy, diffuse, slender trichomes
Pubescent	with short, fine, soft, straight, slender trichomes
Setose	with sharp, pointed, bristly trichomes
Strigose	with stiff, sharp, coarse, adpressed, bristly trichomes
Tomentose	with dense, woolly, short, <u>rigid</u> , interwoven trichomes <i>(Comment: Do not think the hairs are rigid)</i>
Trichome	unbranched hairlike out growth of the epidermis
Velutinosae	with very dense, fine, soft, straight, long, velvet like trichomes <i>(Comment: The trichomes are not velvet like – it is the appearance of the surface that is velvet like)</i>

Terms are derived from A. E. Radford, Vascular Plant Systematics and RHS Encyclopedia of Gardening.

Other terms to consider

Lanate woolly, with long densely matted or curling trichomes

Villous with long shaggy trichomes

Prickle a sharp pointed outgrowth from the superficial tissues.

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