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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 an expert from New Zealand

to be considered by the

*Technical Working Party for Ornamental Plants and Forest Trees
at its thirty-seventh session,
to be held in Hanover, Germany, from July 12 to 16, 2004*

and the

*Technical Working Party for Fruit Crops at its thirty-fifth session,
to be held in Marquardt (Potsdam), Germany, from July 19 to 23, 2004*

GLOSSARY OF TYPES OF HAIR AND HAIR LIKE ORGANS

Aculeate	with sharp prickles.
Barbed	with short, rigid, hooked to reflexed bristles.
Bristly	with stiff, strong trichomes. See also setose and hispid.
Ciliate	with fine, conspicuous, marginal trichomes.
Glabrous	without trichomes, smooth, hairless.
Glabrate	almost hairless.
Hirsute	with long, straight, coarse, trichomes.
Hispid	with stiff trichomes, bristly, harsh to the touch. Not so distinct or sharp as setose.
Lanate	with woolly, with long densely matted or curling trichomes.
Pilose	with soft, shaggy, diffuse, slender trichomes.
Prickle	with a sharp pointed outgrowth from the superficial tissues.
Pubescent	with short, fine, soft, straight, slender trichomes.
Setose	with sharp, pointed, bristly trichomes.
Spine	stiff and sharply pointed modified stem or reduced branch.
Strigose	with stiff, sharp, coarse, adpressed, bristly trichomes.
Tomentose	with dense, woolly, short, interwoven trichomes.
Trichome	unbranched hairlike out growth of the epidermis.
Velutinosae	with very dense, fine, soft, straight, long, trichomes. The surface appears velvet like.
Villous	with long shaggy trichomes.

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

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