



Agriculture and
Agri-Food Canada

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Food Production
and Inspection Branch

Direction générale,
Production et inspection des aliments

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Plant Industry Directorate

Direction de l'industrie des produits végétaux

Regulatory Directive

Classification of Beans on Labels and Research Requirements

The purpose of this document is to inform pesticide registrants and other interested groups and agencies about the terminology used to designate bean crops on pesticide labels.

This Regulatory Directive replaces Trade Memorandum T-1-217 dated February 14, 1980.

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Publications Coordinator
Pest Management Regulatory Agency
Health Canada
2250 Riverside Drive
A.L. 6606D1
Ottawa, Ontario
K1A 0K9

Internet: pmra_publications@hc-sc.gc.ca
www.hc-sc.gc.ca
Facsimile: (613) 736-3798
Information Service:
1-800-267-6315 or (613) 736-3799

The terminology used to designate bean crops, on pesticide labels and in various indices and information systems published by the Plant Industry Directorate requires clarification. Registrants frequently enquire if data produced on one species or variety of bean can support registration for use on other species or varieties of beans. Extension specialists and growers often find it difficult to interpret from a label the exact bean crop(s) for which a pesticide is intended. To resolve these difficulties, a standard policy has been established to regulate the names of bean crops used on labels.

Label Terminology:

The following terminology should be used on labels to describe bean crops. The exact meaning of each term is explained after the name.

Label Name	Definition
<i>fababean</i>	The names horsebean, tickbean, Windsor bean or broadbean may appear in brackets after “fababean”. This division is comprised of beans of the species <i>Vicia faba</i> .
<i>soybean</i>	Refers explicitly to <i>Glycine max</i> .
<i>adzuki bean</i>	Refers explicitly to <i>Vigna angularis</i> (also referred to as <i>Phaseolus angularis</i>).
<i>mung bean</i>	Refers explicitly to <i>Vigna radiata</i> (also referred to as <i>Phaseolus Aureus</i>).
<i>lima bean</i>	Refers explicitly to <i>Phaseolus lunatus</i> (also referred to as <i>P.limensis</i>).
<i>scarlet runner</i>	Refers explicitly to <i>Phaseolus beanmultiflorus</i> (also known as <i>P.coccineus</i>).
<i>dry common bean</i>	This division is comprised of beans <i>or common bean</i> of the species <i>Phaseolus vulgaris</i> (<i>dry</i>) when the part to be harvested is the dry seed. The term “dry common bean” may appear on the label by itself if the product is to be used on all types and varieties of beans. If data does not support a general registration for use on all dry common beans, the limitations must be clearly set out on the label, e.g., “dry common bean (pinto only).” Other names for this type of bean may appear in brackets after the label name. Some of the names commonly used for beans in this division are: bush bean, field bean, kidney bean (red, white, dark), navy bean, black (turtle) bean, white bean, Mexican red bean, limelight bean, pinto bean, wonder bean, yelloweye bean, cranberry bean, golden brown bean, great northern bean, marrow bean, pink bean, pole bean.
<i>snap common beans</i>	This division is comprised of beans <i>or common bean</i> of the species <i>Phaseolus vulgaris</i> (<i>snap</i>) that are to be harvested for consumption in succulent form. The term “snap common bean” may appear on the label by itself if the product is to be used on all types and varieties of beans. If data does not support a general registration for use on all snap common beans, the limitations must be clearly set out on the label, e.g. “snap common bean (pole varieties only)”. Other names for this type of bean, such as snap bean, green snap bean, yellow snap bean, wax bean, butter bean, string bean, garden bean, French bean, haricot bean, or pole bean may appear in brackets after the label name.

Research Requirements:

Efficacy

A degree of extrapolation is generally possible among divisions; all applications, however, will be evaluated individually.

Phytotoxicity

Phytotoxicity data will be required for each division of beans and for a number of bean types within Divisions VII and VIII. This is especially true for herbicides.

If data are presented on a number of types of beans within a division, extrapolations may be made to include the whole division. Otherwise, the label claims will be limited to the bean types on which use tests have actually been conducted.

Residues

When evaluating applications for registration of pesticides for use on beans, pre-harvest intervals and corresponding residue data are required. Maximum residue limits vary depending on end use and, accordingly, the following uses for beans are considered:

- 1) human consumption
 - i) pods and/or seeds in succulent form;
 - ii) dried seeds; and
 - iii) processed seeds (e.g., soybean oil).

- 2) livestock consumption
 - i) bean meal from seeds (i.e., fababeans, soybeans);
 - ii) immature plants for silage (i.e., fababeans, soybeans - after the pods develop, but before they mature); and
 - iii) crop residues (vines, hulls) for feed after harvest (i.e. snap common beans).

If any of the above situations are not covered by residue data submitted in support of the application, suitable limitations must appear on the label.

Residue data are required for all bean divisions. For common beans (snap and dry) residue data is usually required for several types from each group. For further information on residue data requirements and latitudes which may be taken in extrapolating among divisions, consult with officers in the Chemical Evaluation Division, Foods Directorate, Health Canada, Ottawa, Ontario, K1A 0L2.

For further information, please direct any inquiries regarding this document to:

Pest Management Regulatory Agency
Health Canada
2250 Riverside Drive
A.L. 6606D1
Ottawa, Ontario
K1A 0K9
Information Service: 1-800-267-6315 (In Canada only)