



REQUIREMENTS FOR LABELLING OF FORMULATED PRODUCTS

All formulated pesticides shall bear the approved printed or lithographed label and respective pamphlet, and shall coincide with the technical information provided to support its registration in Belize. The owner of the registration shall be solely responsible for the technical information presented on the label and pamphlet

1.LABELLING OF FORMULATED CHEMICAL PESTICIDES FOR AGRICULTURAL USE, FOR CONTAINERS OR PACKAGES OF LESS THAN ONE KILOGRAM OR OF ONE LITER AND CONSISTING OF ONLY ONE PANEL

The product shall display, in clear print and written in English or Spanish, the following information in the following order:

1.1 The following legend; centered and running the entire length of the upper margin, affixed in bold, capital letters.

STOP! READ THE PAMPHLET BEFORE USING THE PRODUCT AND CONSULT A PROFESSIONAL IN AGRICULTURAL SCIENCES.

- 1.2 Formulating, distributing or manufacturing company logo. The logo shall occupy a maximum of 4% of the total label area. The logo may be of distinctive colors and duly registered, and shall be placed in the center of the label.
- 1.3 Trade name (written in letters only), followed by the concentration of the active ingredient (expressed in numbers), and its English acronym for the formulation of the pesticide. Exception will be made in the cases where commercial names adopt the generic name of a pesticide which contains numbers.

Concentration will be expressed in percentage on a weight-by-weight basis (w/w) in the case of solids, or weight by volume (w/v) for liquids (without the [%] sign and the formulation of the pesticide. Where more than one active substance is chemically mixed, their concentrations will be added to be expressed in total.

- 1.4 Companies possessing duly registered logos may print these in the center of the label. This shall not interfere with the written content of the label. The color of these figures shall be the same as those of the toxicological color band.
- 1.5 Class (biological action) and type (chemical family) of the pesticide centered, in bold capitals.
 - 1.5.1 Where pesticides are mixed, each shall be declared individually as may apply.





- a) Mixture of classes are separated by commas. (E.g. **INSECTICIDE**, **NEMATICIDE**).
- b) Mixture of types are separated by commas. (E.g. **CARBAMATE**, **ORGANOPHOSPHATE**).
- c) Mixture of type and class are separated by a hyphen. (E.g. **INSECTICIDE, NEMATICIDE-ORGANOPHOSPHATE, PYRETHROID**).
- 1.6 Common Name proposed or accepted by ISO, shall be placed in the center, in bold capitals; in the case of mixtures, these shall be separated by commas. (E.g. **CYPERMTHRIN, PROPHENOPHOS**).
- 1.7 Title: Chemical composition

This title shall be written as shown and in bold.

Chemical name (proposed or accepted by IUPAC) of the active ingredient and its percentage expressed in w/w in the case of a solid and w/w or w/v in the case of a liquid. These abbreviations shall be in small, bold letters above the digits indicating its percentage.

Inert ingredients and their percentage in w/w in the case of a solid, or w/v or w/w, if it is a liquid. These abbreviations shall be placed above the digits indicating percentage. Hydrocarbon-based solvents shall be declared, where applicable, their chemical names shall be cited.

To	tal.	Sum	ot	the	percent	tages	ot	the	ingre	dient	s of	the	prod	luct	
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- 1.8 Contains: _____ grams active ingredient (s) per kilogram or liter of the commercial product. Neither the chemical, common names, nor abbreviations shall be used.
- 1.9 **Net content**: To be written as shown and in bold. In liters or kilograms, or their multiples.
- 1.10 On the central portion of the label, and in accordance with the latest **WHO Pesticide Hazard Classification**, (acute **LD50 values for formulated products**), the following shall be indicated:
 - 1.10.1 For **EXTREMELY HAZARDOUS** substances, (Category 1a) the words VERY TOXIC shall be printed in bold capitals with permanent ink, with the death skull and cross bones in black, within a rhombus; this shall occupy no less than 2% of the total label area.
 - 1.10.2 For **HIGHLY HAZARDOUS** substances, (Category1b) the word TOXIC shall be printed in bold capitals and permanent ink with the death skull and cross bones in black, within a rhombus; this shall occupy no less than 2% of the total label area.
 - 1.10.3 For **MODERATELY HAZARDOUS** substances (Category II) the word HARMFUL shall be printed in bold capitals and permanent ink. The figure X in bold within a rhombus; this shall occupy no less than 2% of the total label area.





- 1.10.4 For **SLIGHTLY HAZARDOUS** substances (Category III), the word CAUTION shall be printed in bold capitals and permanent ink.
- 1.10.5 For substances in Category IV, the word PRECAUTION shall be printed in permanent ink.
- 1.11 The legend shall read as follows:

IN CASE OF INTOXICATION TAKE PATIENT TO A PHYSICIAN AND PRESENT THIS LABEL OR PAMPHLET

The legend shall be centered, and in bold capitals.

- 1.11.1 At this point, the word **ANTIDOTE** should be indicated: in bold capitals. Where the antidote exists, it shall be printed in bold capitals; on the contrary the words **DOES NOT EXIST** shall be printed in bold capitals; this shall be centered on the label (e.g. **ANTIDOTE: DOES NOT EXIST**).
- 1.12 Name and address of manufacturer and/or formulator.
- 1.13 Country where product is registered, registration number and registration date, in that order.
- 1.14 Lot number and date of product formulation date.
- 1.15 For containers of less than one kilogram (Kg) or one liter (l), a label with two panels may be used; in the case of cylindrical containers, the label shall cover 100% of its surface.
 - 1.15.1 The size of the label for non-cylindrical containers, whose capacity is less than one liter or one kilogram, shall be such that it covers the entire front of the same; in the case of containers or package containing more than one-half but less than one kilogram, these may bear a label consisting of two panels.

In the case of cylindrical containers or packages, the two-panel label shall cover it completely.

1.16 The color band, situated along the lower margin of the label, shall cover 15% of the label height, nothing shall be allowed to be printed within this band except for its toxicological category.

For toxicological classification purposes of the formulated chemical pesticides the experimental acute oral and/or dermal LD50 should use, where this experimental data does not exist, it may be calculated in accordance to the updated WHO document and





apply the latest WHO Pesticide Hazard Classification Chart, acute LD50 values for formulated products.

Depending on the toxicity, the label shall bear on the band, with permanent ink and color indicated, the following:

- I. For formulated chemical pesticides categorized as **EXTREMELY HAZARDOUS** (Ia), shall bear along the lower margin of the label, a red band (PMS* 199 C) with the words **EXTERMELY HAZARDOUS** along the entire band, in black capitals.
- II. For formulated chemical pesticides categorized as **HIGHLY HAZARDOUS** (Ib), shall bear along the lower margin of the label, a red band (PMS* 199 C) with the words **HIGHLY HAZARDOUS**, along the entire band in black capitals.
- III. For formulated chemical pesticides categorized as **MODERATELY HAZARDOUS** (II) shall bear along the lower margin of the label, a yellow band (PMS* C) with the words **MODERATELY HAZARDOUS** along the entire band in black capitals.
- IV. For formulated chemical pesticides categorized as **SLIGHTLY HAZARDOUS**, shall bear along the lower margin of the label, a blue band (PMS* 293 C) with the words **SLIGHTLY HAZARDOUS** along the entire band in white capitals.
- V. For formulated chemical pesticides in category IV, shall bear along the lower margin of the label, a green band (PMS* 347 C) within which nothing shall be written.
- 2. LABELLING OF FORMULATED CHEMICAL PESTICIDES FOR AGRICULTURAL USE, FOR CONTAINERS OR PACKAGES OF ONE OR MORE KILOGRAM OR LITER AND CONSISTING OF ONLY TWO PANELS

The product shall display, in clear print, the following and in the following order:

FRONT PANEL

2.1 Shall bear along the upper margin of the label, centered and in black capitals, the following legend:

STOP! READ THE PAMPHLET BEFORE USING THIS PRODUCT.





- 2.2 Formulating, distributing or manufacturing company logo. The logo shall occupy a maximum of 4% of the total label area. The logo may be of distinctive colors and which may be duly registered. It shall be placed in the center of the label.
- 2.3 Trade name (written in letters only), followed by the concentration of the active ingredient (expressed in numbers) and its English acronym for the formulation of the pesticide. Exception will be made in the cases where trade names adopt the common name of a pesticide which contains numbers (e.g. 2, 4-D 60 SL).

Concentration will be expressed in percentage on a weight-by-weight basis (w/w) in the case of solids or weight by volume (w/v) for liquids (without the sign and the formulation of the pesticide with English acronym. Where more than one active substance is chemically mixed, their concentrations will be added to be expressed in total.

- 2.4 Companies possessing duly registered logos may print these in the center of the label. This shall not interfere with the written content of the label. The color of these figures shall be the same as those of the toxicological band.
- 2.5 Class (biological action) and type (chemical family) of the pesticide centered, in bold capitals.
 - 2.5.1 Where pesticides are mixed, each shall be declared individually as may apply.
 - a) Mixture of classes are separated by commas. (E.g. **INSECTICIDE**, **NEMATICIDE**)
 - b) Mixture of types are separated by commas, (E.g. **CARBAMATE**, **ORGANOPHOSPHATE**).
 - c) Mixture of type and class are separated by a hyphen (E.g. **INSECTICIDE**, **NEMATICIDE-ORGANOPHOSPHATE**, **PYRETHROID**).
- 2.6 Common Name, as proposed or accepted by ISO, shall be placed in the center, in bold capitals; in the case of mixtures, these shall be separated by comas. (E.g. **CYPERMTHRIN**, **PROPHENOPHOS**)
- 2.7 Title: Chemical composition





This title shall be written as shown and in bold.

Chemical name of the active ingredient as proposed or accepted by IUPAC and its percentage in w/w in the case of a solid and w/w or w/v in the case of a liquid. These abbreviations shall be in small, bold letters above the digits indicating its percentage.

Inert ingredients and their percentage in w/w in the case of a solid, or w/v or w/w if it is a liquid. These abbreviations shall be placed above the digits indicating percentage. Hydrocarbon-based solvents shall be declared, where applicable, their chemical names shall be cited.

Total. Sum of the	nercentages of th	ne ingredients of	the product.

- 2.8 Contains: _____grams active ingredient (s) per kilogram or liter of the commercial product. The chemical or generic names, nor abbreviations shall be used.
- 2.9 Net content: To be written as shown and in bold. In liters or kilograms, or their multiples.
- 2.10 On the central portion of the label, and in accordance with the latest WHO Pesticide Hazard Classification Chart, acute LD50 values for formulated products, the following shall be indicated:
 - 2.10.1 For **EXTREMELY HAZARDOUS** substances, (Category 1a) the words **VERY TOXIC** shall be printed in bold capitals with permanent ink, with the death skull and cross bones in black, within a rhombus; this shall occupy no less than 2% of the total label area.
 - 2.10.2 For **HIGHLY HAZARDOUS** substances, (Category 1b) the word **TOXIC** shall be printed in bold capitals and permanent ink with the death skull and cross bones in black, within a rhombus; this shall occupy no less than 2% of the total label area.
 - 2.10.3 For **MODERATELY HAZARDOUS** substances (Category the word **HARMFUL** shall be printed in bold capitals and permanent ink. The figure X in bold within a rhombus; this shall occupy no less than 2% of the total label area.
 - 2.10.4 For **SLIGHTLY HAZARDOUS** substances (Category III), the word **CAUTION** shall be printed in bold capitals and permanent ink.





- 2.10.5 For substances in Category IV, the word **PRECAUTION** shall be printed in bold capitals and permanent ink.
- 2.11 At this point, the word **ANTIDOTE** should be indicated: in bold capitals. Where the antidote exists, it shall be printed in bold capitals; on the contrary the words DOES NOT EXIST shall be printed in bold capitals; this shall be centered on the label (e.g. **ANTIDOTE: DOES NOT EXIST**).
- 2.12 Name and address of manufacturer and/or formulator.
- 2.13 Title: **PRECAUTIONS AND WARNINGS FOR USE**: (left-aligned and in bold capitals). Shall bear the following legends, in bold capitals.

DO NOT STORE IN DWELLINGS. KEEP UNDER LOCK AND KEY, AWAY FROM THE REACH OF CHILDREN.

(This legend shall be left-aligned with its respective pictogram at its right).

Subsequently, any of the three legends described below may be used as necessary, depending on the type of formulation, accompanied by its respective pictogram.

USE THE FOLLOWING PROTECTIVE GEAR WHEN HANDLING, LOADING AND APPLYING THE PRODUCT

PICTOGRAM

USE THE FOLLOWING PROTECTIVE GEAR WHEN HANDLING THE PRODUCT, DURING THE MIXING, AND LOADING AND APPLICATION.

PICTOGRAM





USE THE FOLLOWING PROTECTIVE GEAR WHEN

HANDLING OR APPLYING THE PRODUCT

PICTOGRAM

Based on the procedural pictograms, the specific names of the recommended gear shall be indicated in writing.

DO NOT EAT, SMOKE OR DRINK
WHILE HANDLING OR APPLYING
THIS PRODUCT.

PICTOGRAM

SHOWER AFTER WORKING WITH THIS PRODUCT AND WEAR CLEAN CLOTHES.

PICTOGRAM

Placement, size and color of the pictograms shall be the following:

PLACEMENT AND ORDER OF THE PICTOGRAMS: Shall be placed to the right of the corresponding legends, that is, on the right margin of the label (front panel).

SIZE: The size of each pictogram shall be such that it allows the user to identify and understand the message.

COLOUR: Black figures on a white background.

2.14 The legend shall read:

IN CASE OF INTOXICATION TAKE THE
PATIENT TO A PHYSICIAN AND PRESENT
THIS LABEL OR PAMPHLET.

(Centered and in bold capitals)





2.15 Title: **SYMPTOMS OF INTOXICATION:**

(Left-aligned, in bold capitals, followed by a colon).

Specific for the pesticide.

2.16 Title: **FIRST AID:**

(Left-aligned, in bold capitals, followed by a colon).

Explanation of applicable measures in case of intoxication via oral, dermal, inhalation or by contact with eyes; in that order.

2.17 The legend shall read:

DO NOT GIVE TO DRINK OR INDUCE VOMITTING IN PERSONS IN AN UNCONSCIOUS STATE

(Centered, and in bold capitals).

2.18 Title: **MEDICAL TREATMENT:**

(Left-aligned, in bold capitals and followed by a colon)

2.19 The color band, situated along the lower margin of the label, shall cover 15% of the label height, nothing shall be allowed to be printed within this band except for its toxicological category.

For toxicological classification purposes of the formulated chemical pesticides the experimental acute oral and/or dermal LD50 should use, where this experimental data does not exist, it may be calculated in accordance to the updated WHO document and apply the latest **WHO Pesticide Hazard Classification Chart, acute LD50 values for formulated products.**





Depending on the toxicity, the label shall bear on the band, with permanent ink and color indicated, the following:

- I. For formulated chemical pesticides categorized as **EXTREMELY HAZARDOUS** (Ia), shall bear along the lower margin of the label, a red band (PMS* 199 C) with the words **EXTERMELY HAZARDOUS** along the entire band, in black capitals.
- II. For formulated chemical pesticides categorized as **HIGHLY HAZARDOUS** (Ib), shall bear along the lower margin of the label, a red band (PMS* 199 C) with the words **HIGHLY HAZARDOUS**, along the entire band in black capitals.
- III. For formulated chemical pesticides categorized as **MODERATELY HAZARDOUS** (II) shall bear along the lower margin of the label, a yellow band (PMS* C) with the words **MODERATELY HAZARDOUS** along the entire band in black capitals. IV.
- IV. For formulated chemical pesticides categorized as **SLIGHTLY HAZARDOUS**, shall bear along the lower margin of the label, a blue band (PMS* 293 C) with the words **SLIGHTLY HAZARDOUS** along the entire band in white capitals.
- V. For formulated chemical pesticides in category IV, shall bear along the lower margin of the label, a green band (PMS* 347 C) within which nothing shall be written.

REAR PANEL

2.20 The following legend: centered and running the entire length of the upper margin:

STOP! READ THE PAMPHLET BEFORE USING
THE PRODUCT AND CONSULT A
PROFESSIONAL IN AGRICULTURAL SCIENCES.

PROTECT THE ENVIRONMENT WITH GOOD

AGRICULTURAL PRACTICES, COMPLY WITH

THE RECOMMENDATIONS PROVIDED

IN THE PAMPHLET.





Both legends shall be affixed in bold capitals.

2.21 In the case where the chemical pesticide may have an effect on the environment, it shall bear the following legend:

TOXIC TO LIVESTOCK

PICTOGRAM

(The phrase shall be left-aligned and written in bold capitals, ending with a colon).

TOXIC TO FISH AND CRUSTACEANS
DO NOT CONTAMINATE RIVERS,
LAKES OR PONDS WITH THIS
PRODUCT OR ITS EMPTY
CONTAINERS OR PACKAGES.

PICTOGRAM

NOTE: Where the pesticide may have effects only on fish, the word crustaceans shall not be included in the previous legend, and vice versa.

The legend shall be left-aligned and written in bold capitals, with its corresponding pictogram to the right.

TOXIC TO BEES PICTOGRAM

(Left-aligned, in bold capitals).

Placement, size, and color of the pictograms shall be the following:





PLACEMENT AND ORDER OF THE PICTOGRAMS: Shall be placed to the right of the corresponding legends, that is, on the right margin of the label (front panel).

SIZE: The size of each pictogram shall be such that it allows the user to identify and understand the message.

COLOUR: Black figures on a white background.

2.22 Title: WARRANTY DECLARATION:

(Left-aligned and written in bold capitals, ending with a colon).

2.23 Write the names of the countries in Central America where the product has been registered, number and date of registration. (In the following order).

COUNTRY	REGISTRATION	DATE OF		
	NUMBER	REGISTRATION		

GUATEMALA

BELIZE

EL SALVADOR

HONDURAS

NICARAGUA

COSTA RICA

PANAMA

LOT NUMBER:

DATE OF FORMULATION:





- 2.24 The color band, situated along the lower margin of the label, identifying the toxicological category shall cover 15% of the label height; nothing shall be allowed to be printed within this band.
- 2 LABELLING OF FORMULATED CHEMICAL PESTICIDES FOR AGRICULTURAL USE, FOR CONTAINERS OR PACKAGES OF ONE OR MORE KILOGRAM OR LITER AND CONSISTING OF THREE PANELS

The product shall display, in clear print, the following and in the following order:

LEFT PANEL

3.1 Shall bear along the upper margin of the label, centered and in black capitals, the following legend:

STOP! READ THE PAMPHLET BEFORE USING THIS PRODUCT.

The legend shall be affixed in bold capitals.

3.2 Title: **PRECAUTIONS AND WARNINGS FOR USE:** (left-aligned and in bold capitals). Shall bear the following legends, in bold capitals.

DO NOT STORE IN

DWELLINGS. KEEP

UNDER LOCK AND KEY,

AWAY FROM THE REACH

OF CHILDREN.

(This legend shall be left-aligned with its respective pictogram at its right).





Subsequently, any of the three legends described below may be used as necessary, depending on the type of formulation, accompanied by its respective pictogram.

USE THE FOLLOWING
PROTECTIVE GEAR WHEN
HANDLING, LOADING AND
APPLYING THE PRODUCT.

PICTOGRAM

USE THE FOLLOWING

PROTECTIVE GEAR

WHEN HANDLING THE

PRODUCT, DURING THE

MIXING, LOADING AND

APPLICATION. PICTOGRAM

USE THE FOLLOWING

PROTECTIVE GEAR

WHEN HANDLING OR

APPLYING THE PRODUCT. PICTOGRAM

Based on the procedural pictograms, the specific names of the recommended gear shall be indicated in writing.

DO NOT EAT, SMOKE OR

DRINK WHILE HANDLING

OR APPLYING THIS PRODUCT.

PICTOGRAM

SHOWER AFTER WORKING





WITH THIS PRODUCT AND WEAR CLEAN CLOTHES.

PICTOGRAM

Placement, size and color of the pictograms shall be the following:

PLACEMENT AND ORDER OF THE PICTOGRAMS: Shall be placed to the right of the corresponding legends, that is, on the right margin of the label (front panel) and in the established order.

SIZE: The size of each pictogram shall be such that t allows the user to identify and understand the message.

COLOUR: Black figures on a white background.

3.3 The legend shall read:

IN CASE OF INTOXICATION TAKE THE PATIENT TO A PHYSICIAN AND PRESENT THIS LABEL OR PAMPHLET.

(Centered and in bold capitals)

- 3.4 Title: **SYMPTOMS OF INTOXICATION:** (Left-aligned, in bold capitals, followed by a colon). Specific for the pesticide.
- 3.5 Title: **FIRST AID:**

(Left-aligned, in bold capitals, followed by a colon). Explanation of applicable measures in case of intoxication via oral, dermal, inhalation or by contact with eyes; in that order.





3.6 The legend shall read:

DO NOT GIVE TO DRINK OR INDUCE VOMIT TO PERSONS IN AN UNCONSCIOUS STATE

(Centered, and in bold capitals).

3.7 Title: **MEDICAL TREATMENT:**

(Left-aligned, in bold capitals and followed by a colon)

3.8 The color band, situated along the lower margin of the label, shall cover 15% of the label height, nothing shall be allowed to be printed within this band except for its toxicological category.

For toxicological classification purposes of the formulated chemical pesticides the experimental acute oral and/or dermal LD50 should use, where this experimental data does not exist, it may be calculated in accordance to the updated WHO document and apply the latest WHO Pesticide Hazard Classification Chart, acute LD50 values for formulated products.

Depending on the toxicity, the label shall bear on the band, with permanent ink and color indicated, the following:

- I. For formulated chemical pesticides categorized as **EXTREMELY HAZARDOUS** (Ia), shall bear along the lower margin of the label, a red band (PMS* 199 C) with the words **EXTERMELY HAZARDOUS** along the entire band, in black capitals.
- II. For formulated chemical pesticides categorized as **HIGHLY HAZARDOUS** (Ib), shall bear along the lower margin of the label, a red band (PMS* 199 C) with the words **HIGHLY HAZARDOUS**, along the entire band in black capitals.
- III. For formulated chemical pesticides categorized as **MODERATELY HAZARDOUS** (II) shall bear along the lower margin of the label, a yellow band (PMS* C) with the words **MODERATELY HAZARDOUS** along the entire band in black capitals.
- IV. For formulated chemical pesticides categorized as **SLIGHTLY HAZARDOUS**, shall bear along the lower margin of the label, a blue (PMS* 293 with the words **SLIGHTLY HAZARDOUS** along the entire band in white capitals
- V. For formulated chemical pesticides in category IV, shall bear along the lower margin of the label, a green band (PMS* 347 C) within which nothing shall be written.





CENTER PANEL

- 3.9 Formulating, distributing, or manufacturing company logo. The logo shall occupy a maximum of 4% of the total label area. The logo may be of distinctive colors, and which may be duly registered. It shall be placed in the center of the label.
- 3.10 Trade name (written in letters only), followed by the concentration of the active ingredient (expressed in numbers) and its English acronym for the formulation of the pesticide. Exception will be made in the cases where trade names adopt the common name of a pesticide which contains numbers (e.g., 2, 4-D 60 SL).

Concentration will be expressed in percentage on a weight-by-weight basis (w/w) in the case of solids or weight by volume (w/v) for liquids (without the [%] sign and the formulation of the pesticide with English acronym. Where more than one active substance is chemically mixed, their concentrations will be added to be expressed in total.

- 3.11 Companies possessing duly registered logos may print these in the center of the label. This shall not interfere with the written content of the label. The color of these figures shall be the same as those of the toxicological band.
- 3.12 Class (biological action) and type (chemical family) of the pesticide centered, in bold capitals.
 - 3.12.1 Where pesticides are mixed, each shall be declared individually as may apply.
 - a) Mixture of classes are separated by comas. (E.g., **INSECTICIDE**, **NEMATICIDE**)
 - b) Mixture of types are separated by comas. (E.g., **CARBAMATE**, **ORGANOPHOSPHATE**).
 - c) Mixture of type and class are separated by a hyphen. (INSECTICIDE, NEMATICIDE -ORGANOPHOSPHATE PYRETHROID).



indicated:

PESTICIDES CONTROL BOARD REGISTRATION AND PERMITS UNIT



3.12 Common Name, as proposed or approved by ISO, shall be placed in the center, in bold capitals; in the case of mixtures, these shall be separated by comas.

3.14 Title: Chemical composition

This title shall be written as shown and in bold.

Total Sum of the percentages of the ingredients of the product.

Chemical name of the active ingredient with biological action as proposed or approved by IUPAC and its percentage in w/w in the case of a solid and w/w or w/v in the case of a liquid. These abbreviations shall be in small, bold letters above the digits indicating its percentage.

Inert ingredients and their percentage in w/w in the case of a solid, or w/v or w/w if it is a liquid. These abbreviations shall be placed above the digits indicating percentage. Hydrocarbon-based solvents shall be declared, where applicable, their chemical names shall be cited.

3.15 Contains:grams active ingredient (s) per kilogram or liter of the commercial product.
The chemical or generic names, nor abbreviations shall be used.
3.16 Net content: To be written as shown and in bold. In liters or kilograms, or their multiples.
3.10 14ct content. 10 be written as shown and in bold. In filers of knograms, of their multiples.
3.17 On the central portion of the label, and in accordance with the latest WHO Pesticide Hazard

Classification Chart, acute LD50 values for formulated products, the following shall be

3.17.1 For **EXTREMELY HAZARDOUS** substances, Category 1a) the words **VERY TOXIC** shall be printed in bold capitals with permanent ink, with the death skull and cross bones in black, within a rhombus; this shall occupy no less than 2% of the total label area.





- 3.17.2 For **HIGHLY HAZARDOUS** substances, (Category 1b) the word **TOXIC** shall be printed in bold capitals and permanent ink with the death skull and cross bones in black, within a rhombus; this shall occupy no less than 2% of the total label area.
- 3.17.3 For **MODERATELY HAZARDOUS** substances (Category II) the word **HARMFUL** shall be printed in bold capitals and permanent ink. The figure **X** in bold within a rhombus; this shall occupy no less than 2% of the total label area.
- 3.17.4 For **SLIGHTLY HAZARDOUS** substances (Category III), the word **CAUTION** shall be printed in bold capitals and permanent ink.
- 3.17.5 For substances in Category IV, the word **PRECAUTION** shall be printed in bold capitals and permanent ink.
- 3.18 At this point, the word **ANTIDOTE** should be indicated: in bold capitals. Where the antidote exists, it shall be printed in bold capitals; on the contrary the words DOES NOT EXIST shall be printed in bold capitals; this shall be centered on the label (e.g., **ANTIDOTE: DOES NOT EXIST**).
- 3.19 Name and address of manufacturer and/or formulator.
- 3.20 The color band, situated along the lower margin of the label, shall cover 15% of the label height, nothing shall be allowed to be printed within this band except for its toxicological category.

For toxicological classification purposes of the formulated chemical pesticides the experimental acute oral and/or dermal LD50 should use, where this experimental data does not exist, it may be calculated in accordance with the updated WHO document and apply the latest **WHO Pesticide Hazard Classification Chart.**

Depending on the toxicity, the label shall bear on the band, with permanent ink and color indicated, the following:





- I. For formulated chemical pesticides categorized as **EXTREMELY HAZARDOUS** (Ia), shall bear along the lower margin of the label, a red band (PMS* 199 C) with the words **EXTREMELY HAZARDOUS** along the entire band, in black capitals.
- II. For formulated chemical pesticides categorized as **HIGHLY HAZARDOUS** (Ib), shall bear along the lower margin of the label, a red band (PMS* 199 C) with the words **HIGHLY HAZARDOUS**, along the entire band in black capitals.
- III. For formulated chemical pesticides categorized as **MODERATELY HAZARDOUS** (II) shall bear along the lower margin of the label, a yellow band (PMS* C) with the words **MODERATELY HAZARDOUS** along the entire band in black capitals.
- IV. For formulated chemical pesticides categorized as **SLIGHTLY HAZARDOUS**, shall bear along the lower margin of the label, a blue band (PMS* 293 C) with the words **SLIGHTLY HAZARDOUS** along the entire band in white capitals.
- V. For formulated chemical pesticides in category IV, shall bear along the lower margin of the label, a green band (PMS* 347 C) within which nothing shall be written.

RIGHT PANEL

3.21 The following legend: centered and running the entire length of the upper margin:

CONSULT A PROFESSIONAL IN AGRICULTURAL SCIENCES.

PROTECT THE ENVIRONMENT WITH GOOD
AGRICULTURAL PRACTICES, COMPLY
WITH THE RECOMMENDATIONS
PROVIDED IN THE PAMPHLET.

Both legends shall be affixed in bold capitals.

3.22 In the case where the chemical pesticide may have an effect on the environment, it shall bear the following legend:

TOXIC TO LIVESTOCK

PICTOGRAM





(The phrase shall be left-aligned and written in bold capitals, ending with a colon).

TOXIC TO FISH AND CRUSTACEANS
DO NOT CONTAMINATE RIVERS,
LAKES OR PONDS WITH THIS
PRODUCT OR ITS EMPTY
CONTAINERS OR PACKAGES.

PICTOGRAM

NOTE: Where the pesticide may have effects only on fish, the word crustaceans shall not be included in the previous legend, and vice versa.

The legend shall be left-aligned and written in bold capitals, with its corresponding pictogram to the right.

TOXIC TO BEES PICTOGRAM

(Left-aligned, in bold capitals).

Placement, size and color of the pictograms shall be the following:

PLACEMENT AND ORDER OF THE PICTOGRAMS: Shall be placed to the right of the corresponding legends, that is, on the right margin of the label (front panel).

SIZE: The size of each pictogram shall be such that it allows the user to identify and understand the message.

COLOUR: Black figures on a white background.





3	.23	Title:	WARR	ANTY	DECL	ARAT	ION:

(Left-aligned and written in bold capitals, ending with a colon).

3.24 Write the names of the countries in Central America where the product has been registered, number and date of registration. (In that order).

COUNTRY	REGISTRATION NUMBER	DATE OF REGISTRATION
GUATEMALA BELIZE		
EL SALVADOR		
HONDURAS NICARAGUA		
COSTA RICA		
PANAMA		

LOT NUMBER:

DATE OF FORMULATION:

3.25 The color band, situated along the lower margin of the label, identifying the toxicological category shall cover 15% of the label height, nothing shall be allowed to be printed within this band.





SIZE AND CHARACTERISTICS OF LABELS FOR FORMULATED CHEMICAL PESTICIDES FOR AGRICULTURAL.

- I. The size of the labels must be related to the size and shape of the containers and packages in accordance with the following proportion:
 - Ia. For containers or packages with less than half a liter and less than one kilogram, models of labels with one or two panels may be used.
 - Ib. For containers or packages with one liter or none kilogram and up to four liters or five kilograms, the label must cover the entire surface of the container or package.
 - Ic. For containers or packages with four liters or five kilograms and up to nineteen liters to twenty-five kilograms, labeling shall be as in 1b, but the label must cover at least 25% of the surface.

The size of the label shall not be less than that of containers or packages with less than four liters or five kilograms.

- Id. For containers or packages with more than nineteen liters or twenty-five kilograms, the size of the label shall be at least of the same size as that for containers or packages with nineteen liters or twenty-five kilograms.
- 1. The order of the content and the form of the labels for formulated chemical pesticides for agricultural use, shall be as that established by this regulation.
- 2. The labels for chemical pesticides of **RESTRICTED USE** shall bear the legend: **RESTRICTED USE PESTICIDE**; centered and on the upper margin, in bold capitals of the size as that of the warning, visible enough according to the size of the label.
- 3. The text on the labels shall be black on a white background; exception will be made for those labels that are lithographed unto containers or packages being of a color other than white for those photosensitive pesticides.





The physicochemical properties of those photosensitive pesticides shall be scientifically supported with literature (technical support) by the manufacturer and/or formulator of the molecule.

4a. a manufacturer, formulator or distributor's logo may be included. The logo shall be 4% of the total label area. Distinctive logo colors that are duly registered shall be placed on the central panel.

- 4b. Enterprises that have duly registered figures may print these on the label. This shall not alter the written content of the same. The colors of these figures shall be the same as those of the toxicological band.
- 4. In the event that the lethal doses mentioned correspond to different toxicological categories, these shall be established in accordance with WHO descriptions.
- 5. The greater toxicity value for the formulated product shall be used in accordance with it oral or dermal LD50 for the corresponding toxicological classification as established by the WHO.

TO GUIDE THE CONTENT OF THE PAMPHLET FOR FORMULATED CHEMICAL PESTICIDES USED IN AGRICULTURE.

GENERAL PRINCIPLES:

All formulated chemical pesticides commercialized in their various forms, shall bear (affixed to it) its printed or lithographed label and respective pamphlet as per harmonized regional guidelines.

The information contained in the pamphlet for formulated chemical pesticides, shall coincide with the technical information provided to support its registration. The technical information is the sole responsibility of the enterprise registering the pesticide.

In the elaboration of the pamphlet, no statement or visual presentation shall be used which may directly or by implication, omission, ambiguity, or exaggeration, mislead the buyer with respect to the safety, nature, composition, and adequacy in the use of the formulated chemical pesticide.





Words, illustrations, or graphic presentations which may refer to, suggest, directly or indirectly to any other product or use, shall not be used.

1. GUIDELINES FOR ELABORATING THE PAMPHLET FOR FORMULATED CHEMICAL PESTICIDES FOR AGRICULTURAL USE

- a) The pamphlet shall have one model content of information (presentation) for the three label models as per harmonized regional guidelines.
- b) The pamphlet shall be incorporated unto the containers or packages of the formulated chemical pesticides, these containers or packages shall bear printed or lithographed labels, in accordance with the label models.
- c) Each presentation (container or package) of a pesticide, shall be accompanied by its respective pamphlet.

THE PAMPHLET SHALL CONTAIN THE FOLLOWING INFORMATION, AND IN THE ORDER DESCRIBED, CONSIDERING THAT THE NUMBERS IDENTIFYING THE ORDER OF THE SAME, NEED NOT BE WRITTEN IN THE ELABORATION OF THE PAMPHLET:

1.1 The following shall be written in bold capitals:

STOP!READ THE PAMPHLET BEFORE USING THE PRODUCT AND CONSULT A PROFESSIONAL IN AGRICULTURAL SCIENCES.

1.2 TRADE NAME

Trade name of the formulated chemical pesticide, followed by the concentration expressed in percentage on a weight-by-weight basis (w/w) in the case of solids or weight by volume (w/v) for liquids (without the [%] sign and the formulation of the pesticide with English acronym.

NOTES:





- 1. Trade name (written in letters only), followed by the concentration of the active ingredient (expressed in numbers) and its English acronym for the formulation of the pesticide, shall be the same as that approved on the corresponding harmonized label (e.g., 2,4-D 60 SL).
- 2. Exception will be made in the cases where trade names adopt the common name of a pesticide which contains numbers (e.g., 2,4-D 60).
- 3. Registered trademarks shall be identified only by the recognized and universally accepted symbol, which is the R within a circle, which shall be placed after the registered trademark followed by the number identifying the concentration of the active ingredient (s), followed its English acronym for the formulation of the pesticide.
- 1.3 **CLASS** (use of the product) and **TYPE** (chemical family)

CLASS: Refers to the specific use of the pesticide

(e.g., INSECTICIDE, ACARICIDE, NEMATICIDE, FUNGICIDE, HERBICIDE etc.)

The use of the pesticide shall be written in bold capitals. Where a pesticide is for more than one use, these shall be separated by a coma.

TYPE: Refers to its classification according to its chemical family as proposed or approved by IUPAC.

By virtue of which, the chemical family of the pesticide shall be written in bold capitals; after the **CLASS** and separated by a hyphen (-).

Where a pesticide has more than one active ingredient of different chemical families (being a mixture), the chemical families shall be separated by a comma.

Example:

TRIPLE BLOW 12.6 GR

INSECTICIDE, FUNGICIDE-ORGANOPHOSPHATE, TRIAZOLE





1.4 **COMMON NAME**

This shall be written as proposed or approved by ISO and shall be written in bold capitals; where a pesticide has more than one common name, these shall be separated by a hyphen.

1.5 PICTOGRAPHIC SYMBOL AND WARNING PHRASE

The pictographic symbol according to the toxicological category of the formulated chemical pesticide, shall be placed with its corresponding warning phrase, in bold capitals, as shown in the WHO Pesticide Hazard Classification Chart, and indicated by the acute LD50 values for formulated products.

Pictographic symbols shall be printed in black on a white background.

DESCONTROL BOARD

PESTICIDES CONTROL BOARD REGISTRATION AND PERMITS UNIT



1.6 ANTIDOTE:

The word antidote shall be written in bold capitals, followed by a colon and the name of its corresponding specific antidote.

If a pesticide should not have an antidote, the words **DO NOT EXIST** shall be written in its place, in bold capitals.

1.7 **SOLVENT:**

The word solvent (s) shall be written in bold capitals, followed by a colon and the corresponding nature of the hydrocarbon-based solvent (s).

If there should be more than one hydrocarbon-based solvent, these shall be separated by a semicolon. If the pesticide should be free of hydrocarbon-based solvent (s) in its formulation, this item shall not be included in the elaboration of its pamphlet.

1.8 **DENSITY:**

The word density, (D20 $^{\circ}$ C) shall be placed in this order, in bold capitals, followed by a colon and the value of the density of the formulated pesticide and its corresponding temperature in degrees Celsius.

1.9 The following legends: centered and in bold capitals, with corresponding, pictograms shall be placed in the order they appear as follows:

THIS PRODUCT MAY BE FATAL IF
SWALLOWED AND/OR IF INHALED MAY
CAUSE DAMAGE TO THE EYES AND SKIN
BY EXPOSURE





"DO NOT STORE IN DWELLINGS"

"KEEP OUT OF THE REACH OF CHILDREN,
MENTALLY UNSOUND PERSONS, DOMESTIC
ANIMALS, FOOD AND MEDICATIONS"

1.10 AGRONOMIC USE

This title shall be written in bold capitals.

1.10.1 MODE OF ACTION:

This subtitle shall be written in bold capitals followed by a colon.

Subsequently, the mode of action of the pesticide shall be indicated (e.g.: systemic, contact, preventive, curative, polyvalent, post-emergent, pre-emergent, etc.). Describe the behavior of the pesticide within the plant (acropetal, basipetal, xylem and phloem, etc.); in language easily understood by the user (applicator).

1.10.2 APPLICATION EQUIPMENT:

This subtitle shall be written in bold capitals followed by a colon.

Subsequently, the application equipment shall be specified in detail, according to the type of pesticide and application equipment to be used (sprayer, duster, tractor, helicopter, spray plane, granule spreader, etc.).

Indicate that prior to using the application equipment, one must verify that it is in good working order, free of leaks; as well as the importance of the correct calibration of the application equipment, and the type of nozzle that should be used.





Procedural pictograms shall be placed according to the type of pesticide formulation to be used.

1.10.3 HOW TO PREPARE THE MIXTURE:

This subtitle shall be written in bold capitals followed by a colon.

Subsequently, it shall be specified if a recommended order for mixing is made by the manufacturer and/or formulator when other pesticides are included.

The mixing medium (carrier) shall be specified, water, oil or other.

It shall be indicated if agitation is necessary, as well as the conditions for mixing. The importance of precision dosifiers for liquids or solids, agitation paddles, bucket, drum, etc. shall be indicated.

The importance of post-application adequate cleaning and servicing of the application equipment shall be indicated.

Procedural pictograms shall be placed according to the product formulation.1.10.4 **RECOMMENDATIONS FOR USE:**

The information content of the same is described as follows:

SCIENTIFIC NAME

The technical names of the crop and pest shall be written in small letters; genus, species, variety or other, except for the first letter identifying the genus.





The genus shall be separated from the species, where the variety is cited, the abbreviation shall be used (var.) followed by the varietal name.

The genus, species and variety shall be written in bold, normal small letters (except for the first letter of the genus, which shall be in capital).

The genus and species shall be underlined separately; the variety abbreviation (var.) need not be underlined, but the varietal name shall be underlined. (E.g., *Brassica oleracea var. capitata*).

Where only the genus is cited, and the species abbreviation is used (sp. or spp.) these shall not be underlined. (*Citrus spp.*)

COMMON NAME

Synonyms of crops used in Central America shall be written as cited in the technical literature provided by the registrant.

RECOMMENDED DOSES

These shall be based on the international system for units of measure

In the case of pesticides formulated as solids, the dose shall be expressed in grams

of the formulated pesticide per hectare (Ha) and manzana (mz), in kilograms (Kg) of the formulated pesticide per hectare (Ha) and manzana (mz), and grams or kilograms/volume of water or any medium for mixing.

In the case of a liquid pesticide, the dose shall be expressed as cubic centimeters (cm3) or milliliters (ml) or liters (l) per hectare (ha) and manzana (mz) and volume of water or any other medium for mixing.





The information on the dose of the formulated chemical concentration, shall be contained in the technical information presented as support for the registration of the pesticide and in the case of mixtures, the same shall apply.

Furthermore, development aspects of the crops and pests, weeds, diseases and other organisms shall be considered in determining the best timing for the application of the pesticide, whether it be the insect, or fungus population density, or the size of the weeds, etc.

APPLICATION INTERVAL

It shall be indicated whether frequency of application should be based on pest scouting, or by predetermined schedule.

PREHARVEST INTERVAL

The post-application days to harvest shall be determined. This information shall be contained in the technical information provided for registration.

This subtitle needs not to be included for products to which it does not apply.

INTERVAL FOR REENTRY INTO TREATED AREAS

The minimum period in hours or days recommended for reentry into treated areas shall be defined; and consideration given where pesticide mixtures are applied. Emphasis shall be placed in following recommendations made in the pamphlet.

1.11 **PHYTOTOXICITY**

This subtitle shall be written in bold capitals, followed by a colon.





Product selectivity shall be indicated (e.g., herbicide is totally selective in broad leaf crops, harmful to grasses, etc.).

1.12 **COMPATIBILITY**

This subtitle shall be written in bold capitals, followed by a colon.

Crops for which testing the product may be necessary shall be defined, as well as crops susceptible to damage when the product is used alone or in mixtures be cited; also, if product combination is recommended, and compatibility problems that may arise if mixed with other products based on their acidity or alkalinity.

1.13 PRECAUTIONS AND WARNINGS FOR USE:

This subtitle shall be written in bold capitals, followed by a colon.

1.13.1 STORAGE AND TRANSPORT

The hazards posed by the pesticide due to its flammability, toxicity, corrosiveness, hygroscopicity and activity as oxidizing agent shall be indicated, (e.g., some dithiocarbamates react adversely in the presence of moisture to produce carbon disulphide, a toxic, highly flammable gas).

It shall be indicated that the pesticide should not be stored along with human or animal feeds (forage, seeds, etc.). Proper conditions for storage, including temperature, humidity, etc. shall be pointed out.

It shall be emphasized that pesticides require safe and adequate storage.





It shall be specified that pesticides are not to be transported along with human and animal food products. Specify that pesticides are to be kept in their original containers, properly sealed, and labelled; accompanied by their respective pamphlets. The following legends: centered and in bold capitals, with corresponding, pictograms as well as storage pictogram and instructions shall be placed.

DO NOT STORE IN DWELLINGS KEEP OUT OF THE REACH OF CHILDREN

The following legend: shall be centered and written in bold capitals:

DO NOT SMOKE, EAT OR DRINK
WHILE APPLYING OR HANDLING
THIS PRODUCT. SHOWER AFTER
WORKING WITH THIS PRODUCT
AND WEAR CLEAN CLOTHES.

1.13.2 SIGNS OF INTOXICATION

This subtitle shall be written in bold capitals, followed by a colon.

Specific symptoms presented by the pesticide shall be indicated, based on its chemical composition. These symptoms shall coincide with those described in the label.

The information respective to signs of intoxication, shall be the responsibility of those presenting the pesticide for registration and shall be reported in the technical information provided as support for registration.

1.13.3 **FIRST AID**





This subtitle shall be written in bold capitals, followed by a colon.

This shall be specified, considering; the routes through which a pesticide may enter the human body, as described in the approved label, and shall be placed in the following order:

BY INGESTION:

This subtitle shall be written in bold capitals, followed by a colon.

This shall indicate the procedure and treatment of a person who has swallowed a pesticide.

BY INHALATION:

This subtitle shall be written in bold capitals, followed by a colon.

This shall indicate procedure and treatment of person who has inhaled a pesticide

BY CONTACT WITH EYES:

This subtitle shall be written in bold capitals, followed by a colon.

This shall indicate the procedure and treatment of a person who has come into contact with a pesticide.

BY CONTACT WITH SKIN:

This subtitle shall be written in bold capitals, followed by a colon.





This shall indicate the procedure and treatment of person who has come into contact with a pesticide.

The following legend: shall be centered and written in bold capitals:

DO NOT GIVE TO DRINK NOR INDUCE VOMIT IN AN UNCONCIOUS PERSON.

1.14 ANTIDOTE AND MEDICAL TREATMENT:

This subtitle shall be written in bold capitals.

The specific antidote shall be indicated, based on the pesticide, and recommended medical treatment described.

1.15 NATIONAL INTOXICATION CENTERS

This subtitle shall be written in bold capitals. The full name of the institution responsible for attending to such emergencies shall be given, including telephone numbers in each country.

1.16 ENVIRONMENTAL PROTECTION MEASURES

This subtitle shall be written in bold capitals.

Toxicity to livestock, bees, fish and/or crustaceans, etc. shall be indicated. Emphasis shall be made to not contaminate superficial nor underground water sources with the pesticide.





1.17 MANAGEMENT OF CONTAINERS, PACKAGES, WASTE AND REMNANTS

This subtitle shall be written in bold capitals.

Procedures for management of pesticide wastes and methods for their elimination shall be indicated. Methods for the destruction of containers and Packages shall be indicated as well as suitable sites for their disposal; also, that these sites should be away from water sources and dwellings.

The following legend: shall be centered and written in bold capitals:

USING CONTAINERS AND PACKAGES FOR
PURPOSES OTHER THAN THOSE FOR WHICH
THEY WERE DESIGNED, MAY BE HAZARDOUS
TO HUMAN HEALTH AND THE ENVIRONMENT.

1.18 **DECLARATION OF WARRANTY**

This subtitle shall be written in bold capitals, followed by a colon.

Conditions under which the manufacturer, formulator and/or distributor offer warranty on the pesticide shall be described.

1.19 MANUFACTURER AND/OR FORMULATOR

This subtitle shall be written in bold capitals, followed by a colon.





NOTE:

The term **MANUFACTURER**: shall be used in reference to one who synthesizes the molecule; **FORMULATOR**: to one who formulates using technical grade material, and

MANUFACTURER/FORMULATOR: to one who synthesizes then uses to make formulations of pesticides.

Whenever any of these terms are used, correct address, telephone and/or fax numbers, and name of country shall be provided. Correct address, telephone and/or fax numbers, and name of country shall be provided.

1.20 **IMPORTED BY:**

This subtitle shall be written in bold capitals, followed by a colon.

The name of the importer in each country shall be included, alternatively the space may be left blank, but adequate for the company sticker or seal to be placed; full name of importing company, correct address, telephone and/or fax numbers, and name of country shall be provided.

1.21 COUNTRY* REGISTRATION* DATE OF*

NUMBER REGISTRATION

GUATEMALA

BELIZE





EL SALVADOR
HONDURAS
NICARAGUA
COSTA RICA
PANAMA

*These subtitles shall be used as illustrated.