

**PHILIPPINE
NATIONAL
STANDARD**

**PNS/BAFS 10:2025
ICS 67.060**

**Shelled Corn — Product Standard —
Grading and Classification**



BUREAU OF AGRICULTURE AND FISHERIES STANDARDS

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Published by:
Bureau of Agriculture and Fisheries Standards
BAFS Building, BPI Compound, Visayas Avenue, Diliman, Quezon City
info.dabafs@gmail.com | bafs@da.gov.ph
(+632) 8928 8756 to 65 local 3301 – 3325

ISBN 978-621-445-118-0 (PDF downloadable)
ISBN 978-621-445-117-3 (Softbound/Paperback)

www.bafs.da.gov.ph

Foreword

In 2021, the Department of Agriculture (DA)-Bureau of Agriculture and Fisheries Standards (BAFS), through the Standards Development Division (SDD), conducted a harmonization assessment of Philippine National Standard (PNS) on Grains — Grading and Classification — Corn (PNS/BAFS 10:2017) against Codex Standard for Maize (Corn) (CXS 253-1985) to determine whether the provisions in the PNS remain aligned with current industry practices. The harmonization assessment indicated that PNS/BAFS 10:2017 is harmonized with the CXS 253-1985 by 27%. In accordance with Standardization Guide (SG) No. 3, at least 70% of the PNS provisions should be aligned with the base standards to retain the said PNS. Amendment or revision is recommended if the assessment results are lower than the set threshold. With this, the amendment of the PNS was prioritized for amendment in the CY 2025.

A Technical Working Group (TWG) was established through the Special Orders (SO) No. 745, series of 2025 (Composition of the TWG and Project Management Team [PMT] for the Development of the PNS for Agricultural and Fishery Products and Machinery) and SO No. 1752, series of 2025 (Amendment to SO No. 745, series of 2025 (Recomposition of the TWG and PMT for the Development of PNS for Agricultural and Fishery Products and Machinery)). The TWG was composed of relevant stakeholders from the government sector, academe/research institutions, private sector organizations, and Civil Society Organizations (CSO). The draft PNS underwent a series of TWG meetings and stakeholder consultations conducted via an online platform before its endorsement to the DA Secretary for approval.

This Standard includes the following significant changes compared to the previous version:

- a) Exclusion of shelled corn for industrial processing, and varieties of sweet corn and popcorn from the scope;
- b) Deletion of terms that have not been used in the standard;
- c) Inclusion of an informative annex on National Seed Industry Council (NSIC) registered corn varieties; and
- d) Adoption of the following requirements from international and regional standards.
 - i) Provisions Concerning Quality;
 - ii) Provisions Concerning Presentation;
 - iii) Provisions Concerning Marking or Labeling;
 - iv) Food and Feed Additives;
 - v) Contaminants;
 - vi) Hygiene; and
 - vii) Methods of Analysis and Sampling.

This Standard cancels and replaces PNS/BAFS 10:2017, which has been technically amended. This was also written in accordance with the editorial rules of the DA-BAFS-SDD SG No. 1: Writing the PNS.

Table of Contents

Foreword	ii
1 Scope	1
2 Normative References.....	1
3 Terms and Definitions.....	2
4 Provisions Concerning Quality.....	4
4.1 Minimum Requirements.....	4
5 Classification	4
6 Grading	6
7 Provisions Concerning Presentation	8
7.1 Uniformity.....	8
7.2 Packaging.....	8
8 Provisions Concerning Marking or Labeling.....	8
9 Food and Feed Additives.....	9
10 Contaminants.....	9
11 Hygiene.....	9
12 Methods and Analysis and Sampling.....	10
Annex A.....	11
References.....	14

1 Scope

The Standard applies to commercial varieties of whole shelled kernels of flint corn (*Zea mays* L. var *indurata*), dent corn (*Z. mays* L. var *indenta*), and glutinous/waxy corn (*Z. mays* L. var *ceratina*) intended for use as human food or animal feed ingredient, to be supplied fresh to the consumers after preparation and packaging. Shelled corn intended for industrial processing, and varieties of sweet corn, and popcorn are not covered by this Standard.

2 Normative References

The following documents are referred to in this PNS in such a way that some or all their contents constitute the requirements of this document. The latest edition of the referenced documents (including any amendments) applies:

Bureau of Agriculture and Fisheries Standards (BAFS)-Department of Agriculture (DA). (2015). Animal feed ingredients (PNS/BAFS 163:2015). <https://bafs.da.gov.ph/index.php/approved-philippine-national-standards/>

BAFS-DA. (2018a). Code of Hygienic Practice (COHP) for fruits and vegetables (PNS/BAFS 233:2018). <https://bafs.da.gov.ph/index.php/approved-philippine-national-standards/>

BAFS-DA. (2018d). Good Agricultural Practices (GAP) for corn (PNS/BAFS 20:2018). <https://bafs.da.gov.ph/index.php/approved-philippine-national-standards/>

BAFS-DA. (2020). Establishment and application of microbiological criteria related to food (PNS/BAFS 307:2020). <https://bafs.da.gov.ph/index.php/approved-philippine-national-standards/>

BAFS-DA. (2022a). General methods of analysis for contaminants in food and feed — Guidelines (PNS/BAFS 351:2022). <https://bafs.da.gov.ph/index.php/approved-philippine-national-standards/>

BAFS-DA. (2022b). General standard for contaminants and toxins in food and feed (GSCTFF) — Product Standard (PNS/BAFS 194:2022). <https://bafs.da.gov.ph/index.php/approved-philippine-national-standards/>

BAFS-DA. (2023). Primary and postharvest food and feed — Product standard — Microbiological criteria. (PNS/BAFS 372:2023).

<https://bafs.da.gov.ph/index.php/approved-philippine-national-standards/>

BAFS-DA. (2024). Packaged primary and postharvest foods — Product Standard — General labeling standard (PNS/BAFS 384:2024). <https://bafs.da.gov.ph/index.php/approved-philippine-national-standards/>

Codex Alimentarius Commission (CAC). (2022). General principles of food hygiene (RICP/CXC 1-1969, Rev. 2022). https://www.fao.org/fao-who-codexalimentarius/sh-proxy/it/?lnk=1&url=https%253A%252F%252Fworkspace.fao.org%252Fsites%252Fcodex%252FStandards%252FCXC%2B1-1969%252FCXC_001e.pdf

CAC. (2024a). General standard for contaminants and toxins in food and feed (CXS 193-1995, amd. 2024). https://www.fao.org/fao-who-codexalimentarius/sh-proxy/fr/?lnk=1&url=https%253A%252F%252Fworkspace.fao.org%252Fsites%252Fcodex%252FStandards%252FCXS%2B193-1995%252FCXS_193e.pdf

CAC. (2024b). General standard for food additives (CXS 192-1995, Rev. 2024). https://www.fao.org/fao-who-codexalimentarius/sh-proxy/en/?lnk=1&url=https%253A%252F%252Fworkspace.fao.org%252Fsites%252Fcodex%252FStandards%252FCXS%2B192-1995%252FCXS_192e.pdf&fbclid=IwY2xjawLB5sBleHRuA2FlbQIxMQABHjeczpH9WDI027ReBvfNGixXcj-VWJA4nxlZSKJGrDgDhPJAbqNYewQ-6AuJG_aem_QqxDtrffgA6MivScViNN5w

CAC. (2024c). Recommended methods of analysis and sampling (CXS 234-1999, amd. 2024). https://www.fao.org/fao-who-codexalimentarius/sh-proxy/en/?lnk=1&url=https%253A%252F%252Fworkspace.fao.org%252Fsites%252Fcodex%252FStandards%252FCXS%2B234-1999%252FCXS_234e.pdf

International Organization for Standardization (ISO). (2018a). Cereals and cereal products — Sampling (ISO 24333:2009, Rev. 2018). <https://www.iso.org/obp/ui/en/#iso:std:iso:24333:ed-1:v1:en>

3 Terms and Definitions

For the purpose of this Standard, the following definitions below apply. The preferred terms are written in bold type after the Clause number, while

admitted terms are listed in italicized type after the definition, which could be interchangeably used in interpreting the provisions of this Standard.

3.1

aflatoxin

group of highly toxic and carcinogenic compounds which are produced by strains of the fungi, *Aspergillus flavus* and *Aspergillus parasiticus*, on suitable substrates such as corn, peanuts, copra, and other oilseeds etc. Aflatoxin content is expressed in parts per billion (ppb) (DA-National Food Authority [NFA], 2013, *modified*)

3.2

broken kernels

grains or pieces of grain that can pass through a sieve with a circular mesh of 4.5 mm (11/64 in.) or 4.76 mm (12/64 in.) diameter (ISO, 2018b, *modified*)

3.3

damaged kernels

grains or pieces of grains which are damaged by heat or water, sprouted, moldy, or insect-bored (DA-NFA, 2013, *modified*)

3.4

filth

extraneous matter left behind by contaminants of the products. It includes whole insects and fragments, excreta, rat and mouse hairs, and feather barbules (Certified Laboratories, 2024)

3.5

foreign matter

all extraneous materials other than corn kernels, such as sand, gravel, dirt, pebbles, stones, lumps of earth, clay of mud, chaff, straw, twigs, seeds of other crops, and other plant residues (DA-NFA, 2013, *modified*)

3.6

modern variety

genetically uniform and high-performing cultivar developed through formal plant breeding programs, usually involving controlled crosses, inbreeding, and hybridization to improve traits such as yield, pest resistance, and market quality (Xu et al., 2022)

admitted terms: hybrid, improved variety, scientific variety

3.7

shelled corn

kernels obtained from the plant *Z. mays*, mainly of dent, flint, or glutinous/waxy varieties (DA-NFA, 2013, *modified*)

admitted terms: maize, corn grain

3.8**shriveled and immature kernels**

kernels which are not fully developed, thin, and shrunken in appearance (DA-NFA, 2013, *modified*)

3.9**sound**

free from physical injury, decay, and the absence of live or dead insects, including eggs and larvae, affecting its appearance, eating, and/or keeping quality and market value (CAC, 2022a, *modified*)

3.10**traditional variety**

genetically heterogeneous, open-pollinated population of *Z. mays* that has been developed, selected, improved, and maintained by farmers over generations. Such varieties are typically locally adapted, not formally improved through modern breeding techniques, and are often characterized by diverse morphological traits, resilience to marginal environments, and cultural significance in indigenous and rural farming systems (Bänziger & Pixley, 2004)

4 Provisions Concerning Quality**4.1 Minimum Requirements**

4.1.1 In all classes, as specified in Clause 5, subject to the special provisions for each class and the tolerances allowed, the shelled corn shall be:

- a) sound, i.e., any produce affected by rotting or deterioration that makes it unfit for consumption shall be excluded;
- b) clean, dry, practically free of any unwanted debris, or visible foreign matter, which may be risky or hazardous to human or livestock animal health;
- c) free from pests and damage caused by pests;
- d) free of damage caused by high temperature;
- e) free of any foreign smell and/or taste;
- f) uniform in color or color combination according to type;
- g) moisture content shall not exceed 13% and 14%, when the shelled corn is intended for food, and feed ingredient use, respectively; and
- h) aflatoxin content shall not exceed 15 ppb and 50 ppb, when the shelled corn is intended for food and feed ingredient use, respectively.

5 Classification

5.1 Shelled corn shall be classified according to the following classes and types:

5.1.1 Classes**5.1.1.1 Flint corn**

Kernels with hard endosperm on all sides and the inner portion.

5.1.1.2 Dent corn

Kernels which have a dent in the broad end of the kernels caused by shrinkage of soft starch between the two layers of corneous starch at the sides of the endosperm.

5.1.1.3 Glutinous/Waxy corn

Glutinous/waxy kernels refer to corn varieties whose kernels contain almost exclusively amylopectin starch (typically over 95%), giving the kernels a sticky, chewy texture when cooked.

5.2.1 Types**5.2.1.1 White corn**

Kernels shall be white in color, with no more than the allowable percentage of kernels of other colors as specified in the grade requirements for corn. A slight tinge of color other than white shall not be considered sufficient to affect classification as white corn.

5.2.1.2 Yellow corn

Kernels shall be yellow in color, with no more than the allowable percentage of kernels of other colors as specified in the grade requirements for corn. A slight tinge of color other than yellow shall not be considered sufficient to affect classification as yellow corn.

5.2.1.3 Mixed corn

Consists of kernels of the same class but of different colors.

5.2.1.4 Pigmented corn

Aside from yellow corn, when applicable, varieties of the *Z. mays* L. plant that have naturally occurring pigments, such as anthocyanins and carotenoids, in their kernels, giving them colors like orange, purple, red, and blue.

6 Grading

- 6.1 Shelled corn shall be in accordance with the quality grade requirements for food, as specified in Table 1.

Table 1. Quality standards for shelled corn intended for food use

Parameter	Grade			
	Premium	No.1	No. 2	No. 3
Variety	Traditional/ Modern	Traditional/ Modern	Traditional/ Modern	Traditional/ Modern
Grade Factors, maximum				
Aflatoxin, (pbb)	15.00 ^b	15.00 ^b	15.00 ^b	15.00 ^b
Filth, (% by weight)	0.10 ^{a1}	0.10 ^{a1}	0.10 ^{a1}	0.10 ^{a1}
Moisture content, (% by weight)	13.00 ^{a2}	13.00 ^{a2}	13.00 ^{a2}	13.00 ^{a2}
Corn of other colors, (% by weight)	2.00 ^c	4.00 ^c	6.00 ^c	8.00 ^c
Foreign matter, (% by weight)	0.50 ^c	1.00 ^c	1.50 ^c	2.00 ^c
Shriveled and immature kernels, (% by weight)	1.50 ^c	3.00 ^c	5.00 ^c	7.00 ^c
Damaged kernels, (% by weight)	3.00 ^c	5.00 ^c	7.00 ^c	10.00 ^c
Moldy kernels, (% by weight)	0.10 ^c	0.10 ^c	0.10 ^c	0.10 ^c
Broken kernels, (% by weight)	5.00 ^d	5.00 ^d	5.00 ^d	5.00 ^d
^{a1} Bureau of Agriculture and Fisheries Standards (BAFS)-Department of Agriculture (DA). (2018c). Corn (maize) grits – Grading and classification. (PNS/BAFS 15:2018). https://bafs.da.gov.ph/index.php/approved-philippine-national-standards/				
^{a2} Bureau of Agriculture and Fisheries Standards (BAFS)-Department of				

Agriculture (DA). (2018d). Good Agricultural Practices (GAP) for corn. (PNS/BAFS 20:2018).

<https://bafs.da.gov.ph/index.php/approved-philippine-national-standards/>

^bBureau of Agriculture and Fisheries Standards (BAFS)-Department of Agriculture (DA). (2022). General standard for contaminants and toxins in food and feed (GSCTFF) — Product standard (PNS/BAFS 194:2022). <https://bafs.da.gov.ph/index.php/approved-philippine-national-standards/>

^cNational Food Authority (NFA)-Department of Agriculture (DA). (2013). Primer on Philippine Grain Standardization Program (PGSP). <https://nfa.gov.ph/images/files/archive/pgspnew.pdf>

^dEuropean Commission. (2010). Commission Regulation (EU) No 742/2010 of 17 August 2010 amending Regulation (EU) No 1272/2009 laying down common detailed rules for the implementation of Council Regulation (EC) No 1234/2007 as regards buying-in and selling of agricultural products under public intervention. <https://eur-lex.europa.eu/eli/reg/2010/742/oj>

6.2 Shelled corn shall be in accordance with the specifications for feed ingredients, as specified in Table 2.

Table 2. Quality standards for shelled corn intended for feed use

Specification	Limit
Moisture, max.	14.00% ^a
Spoiled and damaged kernels, max.	3.00% ^b
Broken kernels, max.	2.00% ^b
Impurities, max.	2.00% ^b
Starch, min.	60.00% ^b
Aflatoxin (ppb), max.	50 ^c

^aBureau of Agriculture and Fisheries Standards (BAFS)-Department of Agriculture (DA). (2018b). Code of practice for the prevention and reduction of aflatoxin contamination in corn. (PNS/BAFS 27:2018). <https://bafs.da.gov.ph/index.php/approved-philippine-national-standards/>

^bBureau of Agriculture and Fisheries Standards (BAFS)-Department of Agriculture (DA). (2015). Animal feed ingredients. (PNS/BAFS 163:2015). <https://bafs.da.gov.ph/index.php/approved-philippine-national-standards/>

^cRegional Field Office (RFO)-Cagayan Valley-Department of Agriculture (DA). (2012). Agri-Pinoy Corn Technoguide. <https://cagayanvalley.da.gov.ph/wp-content/uploads/2018/02/corn techno guide final.pdf>

6.3 Several known registered corn varieties are listed in Annex A (NSIC registered corn varieties).

7 Provisions Concerning Presentation

7.1 Uniformity

7.1.1 The contents of each package (or lot for produce presented in bulk) shall be uniform and contain only shelled corn of the same origin, quality, and class/type. The visible part of the contents of the package (or lot for produce presented in bulk) shall be representative of the entire contents.

7.2 Packaging

Shelled corn shall be packed in a manner that ensures adequate protection of the product. Packaging materials shall be clean, dry, and free from any contaminants. The use of materials, including paper or stamps bearing trade specifications, shall be permitted, provided that all printing or labeling is done with non-toxic ink and/or adhesive.

7.2.2 Description of containers

The containers shall meet the quality, hygiene, and resistance characteristics to ensure suitable handling, shipping, and preservation of shelled corn.

8 Provisions Concerning Marking or Labeling

8.1 Labelling of shelled corn shall be in conformance with the relevant provisions of Clause 6 Mandatory information requirements on the label in PNS/BAFS

384:2024 (Packaged primary and postharvest foods — Product standard — General labeling standard) and/or its latest issuances.

9 Food and Feed Additives

9.1 Food additives listed in Tables 1 and 2 of the CXS 192-1995 rev. 2024 (General standard for food additives) in Food Category 06.1 (Whole, broken, or flaked grain, including rice) shall be used for shelled corn conforming to this Standard.

9.2 Feed additives listed in PNS/BAFS 163:2015 (Animal feed ingredients), and/or its latest issuances, shall be used for shelled corn conforming to this Standard.

10 Contaminants

10.1 Shelled corn shall comply with the Maximum Residue Limits (MRL) of pesticides established by the competent authority, CAC, and/or ASEAN harmonized MRL of pesticides and/or their latest issuances.

10.2 Shelled corn shall comply with the Maximum Levels (ML) of the PNS/BAFS 194:2022 (GSCTFF — Product standard) and/or CXS 193-1995, amd. 2024 (GSCTFF) or their latest issuances.

11 Hygiene

11.1 The produce covered by the provisions of this Standard shall be prepared and handled in accordance with the ASEAN GAP, ASEAN General principle for food hygiene, CXC 1-1969, Rev. 2022 (RICP — General principles of food hygiene), PNS/BAFS 20:2018 (GAP for corn), PNS/BAFS 233:2018 (COHP for fruits and vegetables), and other relevant codes of practice.

11.2 Shelled corn shall comply with the microbiological criteria established in accordance with the PNS/BAFS 307:2020 (Establishment and application of microbiological criteria related to food) and PNS/BAFS 372:2023 (Primary and postharvest food and feed — Product standard — Microbiological criteria) and/or their latest issuances.

12 Methods of Analysis and Sampling

Analytical and sampling methods to be used for ascertaining conformance to the requirements of this specification shall be in accordance with the relevant texts in ISO 24333:2009, Rev. 2018 (Cereals and cereal products — Sampling), PNS/BAFS 351:2022 (General methods of analysis for contaminants in food and feed — Guidelines), and CXS 234-1999, amd. 2024 (Recommended methods of analysis and sampling) and/or their latest issuances.

Annex A
(Informative)

NSIC registered corn varieties

Type of Variety	NSIC Registered Variety
Yellow Corn	PSB Cn 91-21, PSB Cn 93-26, PSB Cn 93-32, PSB Cn 93-31 PSB Cn 93-30
Yellow Corn Hybrid	PSB Cn 90-4, PSB Cn 90-2, PSB Cn 90-9, PSB Cn 90-7, PSB Cn 90-6, PSB Cn 90-5, PSB Cn 91-18, PSB Cn 91-17 PSB Cn 91-16, PSB Cn 91-15, PSB Cn 91-14, PSB Cn 91-11, PSB Cn 92-23, PSB Cn 92-22, PSB Cn 92-24, PSB Cn 93-47 PSB Cn 93-46, PSB Cn 93-45, PSB Cn 93-44, PSB Cn 93-43 PSB Cn 93-42, PSB Cn 93-41, PSB Cn 93-40, PSB Cn 93-39 PSB Cn 93-38, PSB Cn 93-37, PSB Cn 93-36, PSB Cn 93-34, PSB Cn 93-33, NSIC 1994 Cn 54, NSIC 1994 Cn 55 NSIC 1994 Cn 56, NSIC 1994 Cn 57, NSIC 1994 Cn 58 NSIC 1994 Cn 59, NSIC 1994 Cn 60, NSIC 1995 Cn 61 NSIC 1995 Cn 62, NSIC 1995 Cn 63, NSIC 1995 Cn 64 NSIC 1995 Cn 65, NSIC 1995 Cn 66, NSIC 1996 Cn 70 NSIC 1996 Cn 71, NSIC 1996 Cn 72, NSIC 1996 Cn 73 NSIC 1996 Cn 74, NSIC 1996 Cn 75, NSIC 1996 Cn 76 NSIC 1996 Cn 77, NSIC 1997 Cn 78, NSIC 1997 Cn 79 NSIC 1997 Cn 80, NSIC 1997 Cn 81, NSIC 1997 Cn 82 NSIC 1997 Cn 83, NSIC 1997 Cn 84, NSIC 1997 Cn 85 NSIC 1997 Cn 86, NSIC 1997 Cn 87, NSIC 1997 Cn 88 NSIC 1997 Cn 89, NSIC 1997 Cn 90, NSIC 1997 Cn 91, NSIC 1999 Cn 101, NSIC 1999 Cn 102, NSIC 1999 Cn 103, NSIC 1999 Cn 104, NSIC 1999 Cn 105, NSIC 1999 Cn 106, NSIC 1999 Cn 107, NSIC 1999 Cn 108, NSIC 1999 Cn 109, NSIC 1999 Cn 110, NSIC 1999 Cn 111, NSIC 1999 Cn 112, NSIC 1999 Cn 113, NSIC 1999 Cn 114, NSIC 1999 Cn 115, NSIC 1999 Cn 116, NSIC 2000 Cn 121, NSIC 2000 Cn 122, NSIC 2000 Cn 123, NSIC 2000 Cn 124, NSIC 2000 Cn 125, NSIC 2000 Cn 126, NSIC 2000 Cn 127, NSIC 2001 Cn 128, NSIC 2001 Cn 129, NSIC 2001 Cn 130, NSIC 2001 Cn 131, NSIC 2001 Cn 132, NSIC 2001 Cn 133, NSIC 2001 Cn 134, NSIC 2002 Cn 138, NSIC 2002 Cn 139, NSIC 2002 Cn 140, NSIC 2002 Cn 141, NSIC 2003 Cn 143, NSIC 2003 Cn 144, NSIC 2003 Cn 145, NSIC 2003 Cn 146, NSIC 2003 Cn 147, NSIC 2003 Cn 148, NSIC 2004 Cn 149, NSIC 2004 Cn 150 NSIC 2004 Cn 151, NSIC 2004 Cn 152, NSIC 2004 Cn 154 NSIC 2004 Cn 155, NSIC 2004 Cn 156, NSIC 2004 Cn 157 NSIC 2004 Cn 158, NSIC 2004 Cn 153, NSIC 2005 Cn 164 NSIC 2005 Cn 166, NSIC 2005 Cn 170, NSIC 2005 Cn 172 NSIC 2005 Cn 173, NSIC 2005 Cn 174, NSIC 2005 GMCn 02 NSIC 2005 GMCn 03, NSIC 2005 GMCn 04, NSIC 2005 GMCn 05, NSIC 2005 GMCn 06 NSIC 2005 GMCn 07, NSIC 2005 GMCn 08

Type of Variety	NSIC Registered Variety
	NSIC 2005 GMCn 09, NSIC 2005 GMCn 10, NSIC 2006 Cn 175, NSIC 2006 Cn 176, NSIC 2006 Cn 177, NSIC 2006 Cn 178, NSIC 2006 Cn 179, NSIC 2006 Cn 180, NSIC 2006 Cn 181, NSIC 2006 Cn 188, NSIC 2006 Cn 189, NSIC 2006 Cn 190, NSIC 2006 Cn 191, NSIC 2006 Cn 192, NSIC 2006 Cn 193, NSIC 2007 Cn 194, NSIC 2007 Cn 195, NSIC 2007 Cn 196, NSIC 2007 Cn 197, NSIC 2007 Cn 198, NSIC 2007 Cn 199, NSIC 2007 Cn 200, NSIC 2007 Cn 201, NSIC 2007 Cn 205, NSIC 2007 Cn 206, NSIC 2008 Cn 207 NSIC 2008 Cn 208, NSIC 2008 Cn 209, NSIC 2008 Cn 210 NSIC 2008 Cn 211, NSIC 2008 Cn 212, NSIC 2008 Cn 213 NSIC 2008 Cn 214, NSIC 2008 Cn 215, NSIC 2008 Cn 216 NSIC 2008 Cn 217, NSIC 2008 Cn 218, NSIC 2008 GMCn 25 NSIC 2008 GMCn 26, NSIC 2008 GMCn 27, NSIC 2009 Cn 225, NSIC 2009 Cn 226, NSIC 2009 Cn 227 NSIC 2009 Cn 228, NSIC 2010 Cn 232, NSIC 2010 Cn 233 NSIC 2010 Cn 234, NSIC 2010 Cn 235, NSIC 2010 Cn 236 NSIC 2010 Cn 237, NSIC 2010 Cn 238, NSIC 2010 Cn 239 NSIC 2010 Cn 240, NSIC 2010 Cn 241, NSIC 2010 Cn 242 NSIC 2010 Cn 243, NSIC 2010 Cn 244, NSIC 2010 Cn 245 NSIC 2011 Cn 254, NSIC 2011 Cn 255, NSIC 2011 Cn 256 NSIC 2011 Cn 257, NSIC 2011 Cn 258, NSIC 2011 Cn 259 NSIC 2012 Cn 261, NSIC 2012 Cn 262, NSIC 2012 Cn 263 NSIC 2012 Cn 264, NSIC 2012 Cn 265, NSIC 2012 Cn 266 NSIC 2012 Cn 267, NSIC 2012 Cn 268, NSIC 2012 Cn 269 NSIC 2012 Cn 270, NSIC 2012 Cn 271, NSIC 2012 GMCn 30 NSIC 2012 GMCn 31, NSIC 2013 Cn 275, NSIC 2013 Cn 276 NSIC 2013 Cn 277, NSIC 2013 Cn 278, NSIC 2013 Cn 279 NSIC 2013 GMCn 32, NSIC 2013 GMCn 33, NSIC 2013 GMCn 34, NSIC 2014 Cn 284, NSIC 2014 Cn 285 NSIC 2015 Cn 295, NSIC 2015 Cn 296, NSIC 2016 GMCn 40 NSIC 2016 GMCn 41, NSIC 2016 GMCn 42, NSIC-2017-Cn 309, NSIC-2017-Cn 310, NSIC 2018 GMCn 43 NSIC 2018 GMCn 44, NSIC 2018 GMCn 45, NSIC 2018 GMCn 46, NSIC 2018 GMCn 47, NSIC 2018 Cn 311, NSIC 2018 Cn 312, NSIC 2018 Cn 313 NSIC 2019 Cn 317, NSIC 2019 Cn 318, NSIC 2019 Cn 319 NSIC 2022 Cn 334, NSIC 2021 Cn 332, NSIC 2021 Cn 333 NSIC 2023 Cn 336, NSIC 2023 Cn 338, NSIC 2024 Cn 339 NSIC 2024 Cn 340, NSIC 2024 Cn 341
Open-Pollinated Variety (OPV) Yellow Corn	PSB Cn 90-1, PSB Cn 93-35, NSIC 1994 Cn 50, NSIC 1994 Cn 51, NSIC 1994 Cn 52, NSIC 1994 Cn 53, NSIC 1996 Cn 67, NSIC 2001 Cn 137, NSIC 2004 Cn 161, NSIC 2006 Cn 183, NSIC 2008 Cn 219, NSIC 2008 Cn 220, NSIC 2008 Cn 221, NSIC 2013 Cn 280, NSIC 2013 Cn 281 NSIC 2014 Cn 286, NSIC 2014 Cn 294, NSIC 2015 Cn 299 NSIC 2015 Cn 300, NSIC 2015 Cn 301, NSIC 2018 Cn 314
OPV Corn (Non-Inbred Hybrid Variety)	NSIC 2014 Cn 290, NSIC 2014 Cn 291
White Corn	PSB Cn 91-20, PSB Cn 91-19, PSB Cn 91-13, PSB Cn 93-29,

Type of Variety	NSIC Registered Variety
	PSB Cn 93-28, PSB Cn 93-27,
White Corn Hybrid	PSB Cn 92-25, NSIC 1996 Cn 69, NSIC 2000 Cn 120, NSIC 2001 Cn 136, NSIC 2003 Cn 142, NSIC 2004 Cn 159 NSIC 2004 Cn 160, NSIC 2005 Cn 163, NSIC 2005 Cn 165 NSIC 2005 Cn 167, NSIC 2006 Cn 182, NSIC 2007 Cn 202 NSIC 2009 Cn 229, NSIC 2009 Cn 230, NSIC 2009 Cn 231 NSIC 2010 Cn 246, NSIC 2010 Cn 247, NSIC 2010 Cn 248 NSIC 2015 Cn 297, NSIC 2015 Cn 298
OPV White Corn	PSB Cn 90-8, PSB Cn 90-3, NSIC 1996 Cn 68, NSIC 2006 Cn 184, NSIC 2006 Cn 185, NSIC 2006 Cn 186 NSIC 2006 Cn 187, NSIC 2007 Cn 203, NSIC 2007 Cn 204 NSIC 2008 Cn 222, NSIC 2008 Cn 223, NSIC 2008 Cn 224 NSIC 2010 Cn 249, NSIC 2010 Cn 250, NSIC 2011 Cn 260 NSIC 2012 Cn 272, NSIC 2013 Cn 282, NSIC 2013 Cn 283 NSIC 2014 Cn 287, NSIC 2014 Cn 288, NSIC 2014 Cn 289 NSIC 2015 Cn 302, NSIC 2023 Cn 335, NSIC 2023 Cn 337
Glutinous Corn	PSB Cn 91-12, NSIC 2001 Cn 135, NSIC 2004 Cn 162, NSIC 2005 Cn 168, NSIC 2005 Cn 169, NSIC 2010 Cn 251 NSIC 2010 Cn 252, NSIC 2016 Cn 308
OPV Glutinous Corn	NSIC 2014 Cn 292, NSIC 2014 Cn 293, NSIC 2018 Cn 315 NSIC 2018 Cn 316, NSIC 2020 Cn 327, NSIC 2020 Cn 328
Genetically Modified	NSIC 2005 Cn 171, NSIC 2005 GMCn 11, NSIC 2005 GMCn 12, NSIC 2005 GMCn 13, NSIC 2005 GMCn 14, NSIC 2005 GMCn 15 NSIC 2005 GMCn 16, NSIC 2007 GMCn 17 NSIC 2007 GMCn 18, NSIC 2007 GMCn 19 NSIC 2007 GMCn 20, NSIC 2007 GMCn 21 NSIC 2007 GMCn 22, NSIC 2007 GMCn 23 NSIC 2007 GMCn 24, NSIC 2009 GMCn 28 NSIC 2015 GMCn 35, NSIC 2015 GMCn 36 NSIC 2015 GMCn 37, NSIC 2015 GMCn 38 NSIC 2016 GMCn 39, NSIC 2018 GMCn 48 NSIC 2018 GMCn 49, NSIC 2018 GMCn 50 NSIC 2018 GMCn 51, NSIC 2018 GMCn 52 NSIC 2018 GMCn 53, NSIC 2018 GMCn 54 NSIC 2018 GMCn 55, NSIC 2018 GMCn 56 NSIC 2018 GMCn 57
Single Cross Hybrid	NSIC 2016 Cn 303, NSIC 2016 Cn 304, NSIC 2016 Cn 305, NSIC 2016 Cn 306
Three-way Cross Hybrid	NSIC 2005 GMCn 01

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**Philippine National Standard (PNS) on Shelled Corn — Product Standard —
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