



SINHAMBRE

CRUZADA NACIONAL

National Crusade against Hunger

MÉXICO
GOBIERNO DE LA REPÚBLICA



SEDESOL
SECRETARÍA DE
DESARROLLO SOCIAL





Crusade against Hunger

The National Crusade against Hunger is focused on **giving special attention to the people in dirt poor and who have a limited access to food. At the beginning of this administration, 7.01 million people were in this situation in Mexico.**

This Crusade is an **inclusion and social welfare** strategy, which is implemented from a participative process which purpose is to **combine joint efforts and resources from the Federal Government, federal entities, and municipalities** as well as from the public and private sectors and international organizations and institutions.



Definition of Hunger according to the CNcH

For the Crusade, **hunger** is defined as the situation that faces a person who does not have enough incomes to have a shopping basket and also has, at least, two other lacks of **social** rights just like having a house, education, healthcare, social security, **besides food**.





National System for the National Crusade against Hunger

Treadway Comission of the National Crusade against Hunger

- Participate **16 Secretaries and 3 public organizations.**
- Coordinate **90 social programs.**



Treadway State Committee



Treadway Regional Committee



A Comprehensive Care of the Population is the Purpose of the Crusade
The Population in Dirt Poor of Food is assisted by the programs and departments in a comprehensive form to improve their social lacks.



**The National Crusade against Hunger is
not a program but a Treadway
Coordination Strategy**

Purposes of the National Crusade against Hunger

- I. Eradicate hunger from an adequate diet and nutrition for people in multidimensional dirt poor and lack of access to food .
- II. Eliminate severe children's malnutrition and improve children's weight and size indicators.
- III. Increase the food production as well as the farmers' and small agricultural producers' incomes.
- IV. Minimize the losses post-harvest and food during its storage, transportation, distribution, and commercialization.**
- V. Promote the participation of the community to eradicate hunger.



Estimation of a rate of Losses of Food.

During the Fourth Session of the Treadway Commission for the instrumentation of the Crusade against Hunger on October 18th, 2013 it was approved to determine a methodology to calculate the reduction and loss of food in Mexico.

It was established that, the **Work Group specialized** on this topic, will present a bi-annual report of the indicator of reduction and loss of food.

Dr. Genaro Aguilar Gutiérrez, led the Work Group and did the first approaching exercise to the calculation of the Rate of the Loss of Food in Mexico for the year 2013.



Methodology of Calculation

The National Apparent Consumption (henceforth referred as CNA) was defined for a period of time of any alimentary product in the following way:

$$CNA_{i,t} = Y_{i,t} - X_{i,t} + M_{i,t}$$

With data obtained from SAGARPA, CNA was calculated as the result of the production + imports – exports; the total consumption was determined in base on the use at home according to ENIGH 2010 of INEGI, plus the use in restaurants.

The waste for food D_i was calculated:

$$D_i = (CNA_i - \text{Total consumption}_i * 100) / CNA_i$$

The general waste rate, was a result of the weighted addition of waste of each food. The weighting is the weight that each food has in the total CNA , in one of the 34 selected products list.



Rate of Food Wasting in Mexico was obtained

Basic Line of waste of food in Mexico 2013: 37.3%

Code	Description	Weekly consumption	Annual consumption	More consumption	Apparent Consumption	APPARENT	Waste	Weithing
Pto		consumption	(Weekly X 52)	pero person	por persona	APARENTE	(%) Per	
ENIGH		Tons	Tons	Restaurants	kilos per year	Tons	FOOD	
A004	Tortilla	135,197.00	7,030,243.97	7,561,027.39	74.29	8,345,034	9.39	0.1393
A007	Bread (wheat products)	69,210.91	3,598,967.39	3,870,689.43	63.00	7,077,231	45.31	0.1181
A019	Rice	10,244.76	532,727.74	572,948.68	9.60	1,078,435	46.87	0.0180
A027	Beef	22,239.56	1,156,457.06	1,243,769.57	17.00	1,909,729	34.87	0.0319
A038	Pork	16,616.00	864,032.06	929,266.48	14.00	1,572,718	40.91	0.0262
A057	Chicken	35,326.00	1,836,951.91	1,975,641.77	29.00	3,257,773	39.36	0.0544
A068	Tuna fish	1,538.08	79,980.17	86,018.67	1.00	112,337	23.43	0.0019
A070	Fish and sardines	4,520.56	235,069.28	252,817.01	4.90	550,451	54.07	0.0092
A072	Shrimp	1,250.04	65,002.13	69,909.79	1.00	112,337	37.77	0.0019
A075	Dairy milk	83,079.44	4,320,130.81	4,646,300.68	96.50	10,840,521	57.14	0.1809
A093	White and brown eggs	27,547.21	1,432,455.14	1,540,605.50	22.00	2,471,414	37.66	0.0412
A102	Potato	17,686.62	919,704.50	989,142.18	14.00	1,572,718	37.11	0.0262
A108	Avocado	7,397.19	384,653.91	413,695.28	8.00	898,696	53.97	0.0150
A109	Garlic	941.54	48,960.23	52,656.73	0.60	66,953	21.35	0.0011
A111	Zucchini and pumpkin	5,143.28	267,450.57	287,643.08	3.00	337,011	14.65	0.0056
A112	Onion	15,007.71	780,400.89	839,321.16	11.00	1,235,707	32.08	0.0206
A115	Chili pepper	17,952.39	933,524.22	1,004,005.30	16.00	1,797,392	44.14	0.0300
A124	Tomato	31,584.13	1,642,374.99	1,766,374.30	19.38	2,176,928	28.86	0.0363
A126	Prickly pear (nopal)	2,547.01	132,444.77	142,444.35	3.45	387,691	63.26	0.0065
A127	Cucumber	2,190.99	113,931.61	122,533.44	2.00	224,674	45.46	0.0037
A129	Green tomato	8,257.46	429,388.05	461,806.84	5.00	561,685	17.78	0.0094
A130	Carrot	4,880.32	253,776.50	272,936.63	3.00	337,011	19.01	0.0056
A137	Beans	17,361.18	902,781.19	970,941.17	11.52	1,293,822	24.96	0.0216
A152	Guava	2,122.59	110,374.79	118,708.09	2.50	280,843	57.73	0.0047
A154	Lemon	4,605.74	239,498.38	257,580.51	7.27	816,284	33.38	0.0136
A157	Mango	10,502.28	546,118.58	587,350.53	11.50	1,291,876	54.54	0.0216
A158	Apple and pear	7,673.12	399,002.45	429,127.14	7.50	842,528	49.07	0.0141
A159	Melon	2,304.02	119,809.01	128,854.59	3.43	384,759	41.24	0.0064
A160	Orange	52,194.33	2,714,105.29	2,919,020.24	37.00	4,156,469	23.22	0.0694
A161	Papaya	6,026.43	313,374.24	337,033.99	5.00	561,685	22.80	0.0094
A163	Pineapple	2,863.47	148,900.45	160,142.43	6.00	674,022	32.78	0.0112
A166	Tortilla	12,450.63	647,432.60	696,313.76	18.00	2,022,066	53.76	0.0337
A168	Bread (wheat products)	3,924.41	204,069.46	219,476.70	4.00	449,348	19.44	0.0075
A169	Rice	2,188.21	113,786.68	122,377.58	2.00	224,674	45.53	0.0037
PROMEDIO NACIONAL DE DESPERDICIO:							37.44	1.0000
PROMEDIO NACIONAL PONDERADO DE DESPERDICIO:							37.33	



Actions focused to the recovery of food

Program of Temporary Job of the Secretary of Social Development:

This is a program that gives an economic support to poor people in return for doing some activities for the community benefit.

In partnership with Food Banks, the economic support, in this case, is given to the beneficiaries in return for harvesting the food, avoiding the waste of products. The harvested food are delivered to poor people through this institution.



Actions focused to the recovery of food

Program of infrastructure to recover food, Secretary of Social Development and Secretary of Agriculture.

Warehouses are built for Food Banks to recover farming products.

In **2013, 14 thousand tons** were recovered

In **2014 and 2015, 61.142 and 15.335 tons** were recovered, respectively.



Actions focused to the recovery of food

A **Program to Support Small Producers of SAGARPA** allows the modernization of the warehouses of the Mexican producers.

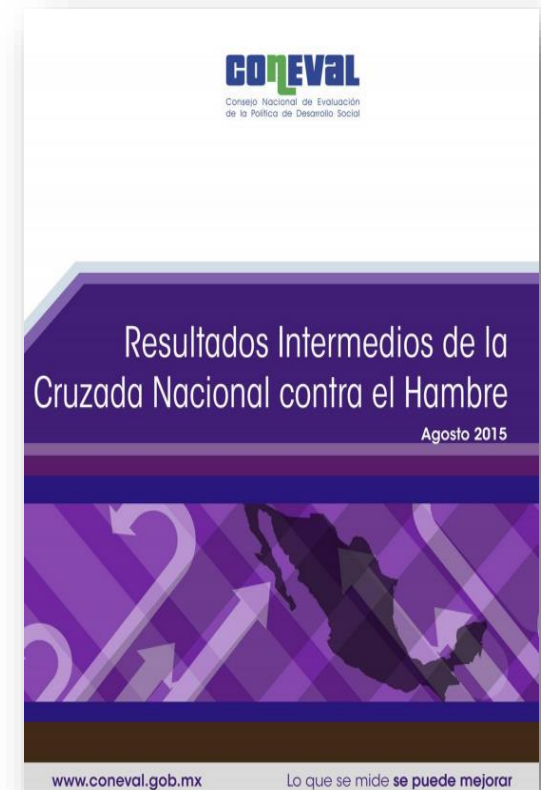




Intermediate Results of the National Crusade against Hunger.

Panel Survey

- It measures the Results of the participating Population.
- Verifiable universe 207, 578 homes.
- In 2013 this population was interviewed to know its necessities.
- In 2015 CONEVAL interviewed them again to record their progress.
- On May, 2016 they will be interviewed again.





Panel Survey Results

Lack for Access to Food

2013	2015 They are out of Lack	2015 Total of the Population	Percentage Change 2013-2015
100%	57.3%	42.7%	-57.3%

Source: Own elaboration with base on the Panel Survey to Monitor the 2015 Indicators of CONEVAL

Lack for Access to Healthcare Services

2013	2015 They are out of Lack	2015 They are in the Lack	2015 Total of the Population	Percentage Change 2013-2015
30.3%	25.4%	3.3%	8.2%	-22.1%

Source: Own elaboration with base on the Panel Survey to Monitor the 2015 Indicators of CONEVAL



Lack for Access to Social Security

2013	2015 They are out of Lack	2015 They are in the Lack	2015 Total of the Population	Percentage Change 2013-2015
97.5%	9.8%	1.2%	88.9%	-8.6%

Source: Own elaboration with base on the Panel Survey to Monitor the 2015 Indicators of CONEVAL

Lack for Quality and Room of the House

2013	2015 They are out of Lack	2015 They are in the Lack	2015 Total of the Population	Percentage Change 2013-2015
54%	26%	9.6%	37.7%	-16.3%

Source: Own elaboration with base on the Panel Survey to Monitor the 2015 Indicators of CONEVAL



Lack for Access to Basic Services of the House

2013	2015 They are out of Lack	2015 They are in the Lack	2015 Total of the Population	Percentage Change 2013-2015
56.4%	17.3%	4.9%	44%	-12.4%

Source: Own elaboration with base on the Panel Survey to Monitor the 2015 Indicators of CONEVAL

Lack for Educational Lag

2013	2015 They are out of Lack	2015 They are in the Lack	2015 Total of the Population	Percentage Change 2013-2015
30.9%	11.8%	8.4%	27.5%	-3.4%

Source: Own elaboration with base on the Panel Survey to Monitor the 2015 Indicators of CONEVAL



Current Challenge: Creation of a national strategy to reduce waste, reduction, and loss.

Period: 2017- 2018

Led by the Secretary for the Environment.

Lesson learned: The necessity to create an institution of coordination and new working tools to fulfill this purpose .



Sessions with experts and teams that have done measurements and methodologies about Reduction, Loss and Waste of Food.

Period: From January to February 2017

Actions:

1. Combined integration of the relationship between experts and institutional teams that have measurement experience.
2. Sessions of explanation of experts and institutional teams.



Definition of methodology. Who and how the measurement of Reduction, Loss, and Waste of Food is done

Period: March 2017

Actions:

1. Designation of the team that will create the methodology of measurement of Reduction, Loss, and Waste of Food.
2. Creation of the methodology of measurement of Reduction, Loss, and Waste of Food.
3. Presentation and approval of the Methodology to the Work Group.
4. Terms of reference.



Do the Measurement of Reduction, Loss, and Waste of Food.

Period: From April to June 2017

Actions:

1. Development of the terms of reference.
2. Presentation of the results of the measurement.



Creation of the National Strategy to Decrease Reduction, Loss, and Waste of Food

Period: From May to July 2017

Actions:

1. Identification of the members of the Work Group to create the National Strategy to Decrease Reduction, Loss, and Waste of Food.
2. Integration of the Work Group.
3. Sessions of the Work Group.
4. Presentation of the National Strategy.



Implementation of at least three strategic projects to decrease Reduction, Loss, and Waste of Food

Period: August 2017

Actions:

1. Analysis of the priorities and intervention areas to decrease Reduction, Loss, and Waste of Food.
2. Creation of offers of projects to decrease of Reduction, Loss, and Waste of Food.
3. Selection and implementation of at least three strategic projects to decrease Reduction, Loss, and Waste of Food.



Creation of the Strategy to Decrease Reduction, Loss, and Waste of Food

Activities	Months										
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug
1.- Doing of the agenda and Collection of Materials											
2.- Sessions with experts and teams that have done measurements and methodologies about Reduction Loss and Waste of Food											
3.- Definition of methodology. Who and how the measurement of Reduction, Loss, and Waste is done											
4.- Do the measurement of Reduction, Loss, and Waste of Food											
5.- Creation of the National Strategy to Decrease Reduction, Loss, and Waste of Food											
6.- Implementation of at least three strategic projects to decrease Reduction, Loss, and Waste of Food											