

No. 1428

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**WORLD HEALTH ORGANIZATION**  
**and**  
**NICARAGUA**

**Agreement concerning a nation-wide insect control programme. Signed at Managua, on 25 September 1950, and at Washington, on 2 January 1951**

*Official text: English.*

*Registered by the World Health Organization on 20 September 1951.*

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**ORGANISATION MONDIALE DE LA SANTÉ**  
**et**  
**NICARAGUA**

**Accord relatif à un programme national de lutte contre les insectes. Signé à Managua, le 25 septembre 1950, et à Washington, le 2 janvier 1951**

*Texte officiel anglais.*

*Enregistré par l'Organisation mondiale de la santé le 20 septembre 1951.*

No. 1428. AGREEMENT<sup>1</sup> BETWEEN THE WORLD HEALTH ORGANIZATION AND THE GOVERNMENT OF NICARAGUA CONCERNING A NATION-WIDE INSECT CONTROL PROGRAMME. SIGNED AT MANAGUA, ON 25 SEPTEMBER 1950, AND AT WASHINGTON, ON 2 JANUARY 1951

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The Government of Nicaragua (hereinafter called "the Government"), represented by Coronel Alejandro Sequeira Rivas, Minister of Public Health; and

The World Health Organization (hereinafter called "the Organization"), represented by Dr. F. L. Soper, Regional Director,

HAVE AGREED AS FOLLOWS :

*Part I*

PLAN OF ACTION

1. OBJECTIVES

The objectives of the nation-wide insect control project shall be :

- 1.1 To control malaria and eradicate *Aedes aegypti* throughout the Republic of Nicaragua by the application of modern insecticides.
- 1.2 To control other diseases borne by insects which are affected by the same insecticides.
- 1.3 To reduce morbidity and mortality among children by reducing the fly population.
- 1.4 To evaluate the results of such a programme by comparing the morbidity and mortality rates of insect-borne diseases, and by determining the *Aedes aegypti* index.
- 1.5 To train local professional and auxiliary personnel and also, upon request, and as far as possible, personnel from other countries within the region, in the most effective methods of insect control by the application of modern insecticides.

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<sup>1</sup> Came into force on 2 January 1951, in accordance with the provisions of part VI.

1.6 To assist the Ministry of Public Health (hereinafter called " the Ministry ") on request and to the extent compatible with the attainment of the above objectives and the availability of personnel for the project by giving expert advice on related problems.

## 2. NATURE AND SCOPE OF THE PROJECT

2.1 The project shall comprise :

2.1.1 A preliminary survey of insect-borne diseases, if no relevant data are available;

2.1.2 The preparation of a detailed plan of operations for the national campaign;

2.1.3 Nation-wide insect control operations by means of the application of modern insecticides;

2.1.4 An evaluation of the effectiveness of the control methods employed;

2.2 The application of insecticides which will be sprayed, for their residual effects, in houses, and domestic outbuildings which should be treated, according to the detailed plan which forms an Annex to this Agreement, throughout the territory of the Republic of Nicaragua where endemic malaria and/or *Aedes aegypti* exist, associated or not with other insect-borne diseases susceptible to control by said applications, in order to protect, directly or indirectly, the population of Nicaragua against said insect vectors of disease.

2.3 Control and appraisal of the results of the project will be conducted by systematic surveys and searches for mosquitoes by control teams, said teams checking at three to eight months intervals after the applications of insecticides.

## 3. ADMINISTRATION AND PLANNING

3.1 A detailed plan of operations for the national campaign shall be prepared and be annexed to this Agreement.

3.2 The project will be conducted under the responsibility of the Government with the technical assistance of the Organization.

3.3 The operations of the control programme will be carried out by the Department of Sanitary Inspection of the Ministry with the technical assistance provided by a consultant of the Organization. The programme will be conducted under the immediate supervision of the Chief of the Department of Sanitary Inspection, assisted by at least one malariologist trained in the School of Malariology in Maracay, Venezuela.

3.4 It is understood that the said technical consultant will be under the administrative direction of the Sector Office of the Pan American Sanitary Bureau Regional Office of the Organization, located in Guatemala City, Guatemala.

3.5 The local personnel required to carry out the programme will be provided by the Ministry, utilizing as many crews as may be required to accomplish the objectives of the project in accordance with the plan of operations.

3.6 The Ministry will notify the local health authorities of the existence of this project and ensure the cooperation of the local authorities for carrying out its objectives.

#### 4. PUBLICATIONS AND REPORTS

4.1 The Ministry will encourage the publication, both national and international, of the results of this project, so as to facilitate as wide an acquaintance as possible with the results.

4.2 Regular monthly reports on the progress of the project shall be made to the Ministry by the director of the project designated by the Government, copies of which will be transmitted to the technical consultant of the Organization, and to the Organization through the Pan American Sanitary Bureau, Regional Office for the Americas.

4.3 At the completion of the project a final report on the entire operations of the project shall be jointly prepared by the director of the project appointed by the Government and the technical consultant of the Organization, and transmitted to the Ministry and to the Organization, through the Pan American Sanitary Bureau, Regional Office for the Americas.

### *Part II*

#### COMMITMENTS OF THE ORGANIZATION

1. The Organization shall provide services of a technical consultant for the project for the duration of this Agreement. For this technical consultant the Organization will pay the salary and transportation expenses. It is understood that the services of the said technical consultant are also to be available to the other Governments in the Central American Region which are simultaneously carrying on similar projects.

### *Part III*

#### COMMITMENTS OF THE GOVERNMENT

1. The Government shall contribute a minimum sum of US\$130,000 or its equivalent in Nicaraguan currency for the duration of this Agreement, subject to normal budgetary limitations. It must be clear that the amount of US\$130,000 is the same sum that the Government is spending in the Insect Control Programme that was started with the cooperations of the UNICEF, according to the agreement signed with this agency.

2. The above-mentioned funds will be used to provide the local personnel, administrative facilities, equipment, supplies, materials and other expenditures necessary for the execution of the project (except those items specified to be provided by the United Nations International Children's Emergency Fund in a separate agreement between the Government and UNICEF). Existing national laboratory work will be made available for the project as required.

#### *Part IV*

##### CONTRIBUTION BY UNICEF

1. It is understood that the contribution of the United Nations International Children's Emergency Fund in the form of equipment, supplies and other essential materials is specified in a separate agreement between UNICEF and the Government.

#### *Part V*

##### CONTINUATION OF THE PROJECT

1. The Government will continue this project within the scope of available resources, when assistance from the Organization and/or the United Nations International Children's Emergency Fund is withdrawn.

#### *Part VI*

##### DURATION

1. This Agreement and the Annex thereto shall come into force on 2 January 1951 and shall remain in force until 31 December 1951, subject to the normal budgetary limitations of the Organization in the year commencing 1 January 1951.

IN WITNESS WHEREOF the undersigned, duly authorized for that purpose, have signed this Agreement.

DONE in quintuplicate at Managua on 25 September 1950,

(Signed) A. S. RIVAS  
Minister of Public Health

and at Washington on 2 January 1951.

(Signed) F. SOPER  
Regional Director  
World Health Organization