

## PLANT-MAPS FOR THE NETHERLANDS 1:3.000.000.

### Part I.

Compiled by „The Institute for the Investigation of the Vegetation in the Netherlands” (I. V. O. N.).

#### Introduction.

This publication is a continuation of „Plantenkaartjes voor Nederland”, published by Dr. J. W. C. GOETHART and Dr. W. J. JONGMANS in the years 1902—1908. For both publications the same methods, differing in two respects from those usually adopted elsewhere, have been employed.

As in the first place it is utterly impossible to show on a very small-scale map, the exact spot where a certain species of plant is to be found, this mock-accuracy has been avoided. Only that part of the topographical map is indicated, which contains the finding-place. With this end in view, each of the 64 sheets of the survey-map of the Netherlands is covered by a net of 48 rectangles, each side being approximately one hour's walk long (exactly  $4180 \times 5000$  metres). These rectangles are called „hour-squares”, each being subdivided into 16 „quarter-hour-squares” of  $1045 \times 1250$  metres. The „hour-square”, in which any special finding-place of a plant occurs, is clearly shown on a photo-lithographically reduced map with the „hour-square” division. As the scale of the reduced map is left large enough, even the „quarter-hour-square” in question can be clearly distinguished within its „hour-square”.

A second item of interest is, that from each „quarter-hour-square” as complete an inventory as possible has been drawn up of all phanerogams and vascular cryptogams. From the result of these investigations separate maps have been compiled, showing the distribution of each kind of plant, both of the common and the rarer species, and showing the „squares” in which they are located. The maps formerly published by GOETHART and JONGMANS, scale 1:1.500.000 were just large enough to show the „quarter-hour-squares”.

Since the „Institute for the Investigation of the Vegetation in the Netherlands” took over GOETHART's and JONGMANS' mapping in 1930, the compiling and inventarising has been done as follows. Each sheet of the survey-map is provided with an album of sketch-maps to a scale of

1:200.000. In this album each plant has its own map, on which every „quarter-hour-square” where the plant has been found is marked down. About one half of the 26.000 squares into which the map of the Netherlands has been divided, are more or less inventarised together with a few parts of Belgium and Germany, bordering on the Netherlands. All these data can be found in the 55 albums, covering together the whole of the Netherlands. In the „Rijksherbarium” (National Herbarium) at Leyden, where the albums are open to inspection, it is possible to trace at a glance, the distribution in any part of the country, of any special plant in which the investigator is interested.

Extracts, provided only with „hour-square” divisions, have been made from these maps, on a scale of 1:1.500.000. A reference to these extracts can therefore mean: „plant found in 1 quarter-hour-square” but also: „plant found in 16 quarter-hour-squares”. Both extremes occur. More precise data are, however, to be found in the larger cartography, which is regularly kept up to date. The extracts are now completed for all phanerogams and vascular cryptogams found in the Netherlands, up till and including the end of the year 1934, while previous data are included wherever possible, as well as notes concerning the absence of any special species.

The present edition now presents a reduced reproduction (1:3.000.000) of some of these extracts. As a first group we have chosen a number of plants which are mentioned in literature as „Atlantic”. In the Netherlands these show, apparently, a greatly varied distribution. If financially possible, one or more numbers will appear annually. They are obtainable on application, printed on one side only, in order to facilitate arrangement in any desired order, after being cut out. Should a subscriber require a map, that has not yet appeared, our secretary will be pleased to furnish this in manuscript-form. All detailed data are to be found in the 55 albums 1:200.000 in the National Herbarium at Leyden.

Our sincere thanks are due to the „Topografische Dienst” (Government Topographical Service) for its helpful cooperation.

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