



AGRICULTURE AND FOOD AUTHORITY

MIRAA, PYRETHRUM AND OTHER INDUSTRIAL CROPS DIRECTORATE

PYRETHRUM VALIDATED STATISTICS REPORT FOR 2021



1. INTRODUCTION

Kenya's Pyrethrum industry remains a significant contributor to the local and international pesticide industry through the supply of environmentally-friendly pyrethrins (pyrethrum extracts) that are extracted from dry pyrethrum flowers and used in the manufacture of agricultural, industrial and domestic classes of pest control products. The Pyrethrum industry has the potential to increase export earnings, promote industrialisation and spur economic growth in Kenya as envisaged in Vision 2030.

The Kenya pyrethrum industry revival strategies is leading to the recovery of the subsector. The revival road map addresses production, marketing, technological, institutional challenges amongst others. One of the major reason for the revival of the pyrethrum was to reduce poverty among poor rural households by increasing incomes and reducing unemployment and underemployment in pyrethrum producing areas.

2. PYRETHRUM PRODUCING COUNTIES

Pyrethrum is one of the most important strategic enterprises in Kenya's economy, is grown in 18 counties namely: Meru, Nyandarua, Nyeri, Kiambu, Trans Nzoia, Uasin Gishu, Bungoma, West Pokot, Elgeyo Marakwet, Nandi, Baringo, Laikipia, Nakuru, Narok, Kericho, Bomet, Kisii and Nyamira.

3. PYRETHRUM PROCESSORS

- Pyrethrum Processing Company of Kenya
- Kentegra Biotechnology Limited
- Botanical Extracts
- Africhem Botanicals

4. ANNUAL DRY FLOWERS PRODUCTION PER COUNTY IN KILOGRAMS

In the year 2021, a total of **501MT** of dry flowers were delivered for processing to Pyrethrum Processors i.e. (PPCK, Botanical Extracts and Kentegra). This represented 76.4% increase as compared to **284MT** in the same period in 2020. The increase was as a result of acreage expansion of pyrethrum growers in the growing regions. This is attributed to the support given by the Government, County Governments and the licensed processors through purchase and distribution of quality seedling program to growers.

Table 4: Dry flowers Production Per County in Kilograms (2019 – 2021)

County	2019	2020	2021
Kiambu	754.96	1,190.74	701.2
Nyandarua	7,801.32	35,249.59	121,901
Nyeri	3,271.52	4,341.19	1,296
Meru	2,516.56	2,410.45	622
Baringo	3,271.52	683.69	1,750.4
Elgeiyo/Marakwet	1,955.98	894.98	1,078
Kericho	5,637.08	668.66	1,5176
Laikipia	5,033.11	1,385.27	1,0123
Nakuru	147,319	194,538.77	261,320
Nandi	1,207.94	81.94	162
Narok	2,677.62	1,197.07	1,297
Trans Nzoia	603.97	17.92	14
Kisii	3,523.18	1,203.47	1941
Uasin Gishu	2,013.24	5,256.06	4,217.7
West Pokot	110,728.52	20,001.	44,980
Bungoma(Mt. Elgon)	352.32	9,750.36	0

Nyamira	704.64	891.08	1382
Bomet	3,523.29	5,151.76	3,2603
Total	314,626	284,910	500,564.3

Source: AFA – Miraa, Pyrethrum and Other Industrial Crops Directorate

Table 5: Annual Dry Flowers Production and Extract Production (2017 – 2021)

	Unit	2017	2018	2019	2020	2021
Pyrethrum Flowers (dry)						
Production (farm)	Tonnes	147.6	187.9	314.6	284.9	501
Price	Kshs/kg	130	151.91	217.77	200	213
Value	Ksh Million	19.2	28.5	68.5	57	106.7
Pyrethrum Extract						
Production(factory)	Tonnes	3	3.8	7.4	5.7	11.5
Price	Kshs/Kg	25,000	24,500	24,500	23,500	25,000
Value	Ksh Million	73.8	94	185.3	131.9	287.5

Source: AFA – Miraa, Pyrethrum and Other Industrial Crops Directorate

5. PYRETHRUM PRODUCTS AND MARKET DESTINATION

About 98 % of the pyrethrum products are exported while about 2% is consumed locally for formulation of Pyrethrum Based Products.

The following pyrethrum products destined for export:

- Refined Pyrethrum extract;
- Crude pyrethrum extract and;
- Pymarc

Table 6: Pyrethrum Products Market Destinations

Company	Product	Export Destinations
Pyrethrum Processing Company of Kenya	Refined Extract	Europe, USA
	Pymarc	Local consumption
Kentegra Biotechnology Ltd	Refined Extract	Asia, Europe
	Pymarc	Japan, Thailand
Botanicals Extracts EPZ Ltd	Crude Extract	India
	Pymarc	India

Source: AFA – Miraa, Pyrethrum and Other Industrial Crops Directorate