



# Clasificación y Calidad de la Fibra de Algodón





# HVI

## High Volume Instrument para Análisis de Fibra





# Parámetros

Humedad

Longitud (fibra) UHML

Resistencia

Uniformidad

Elongación

Micronaire

Madurez

Índice de fibra corta

Rd

+ b

Color (grado)

Basura (cuenta y área)

Spinning Consistency Index

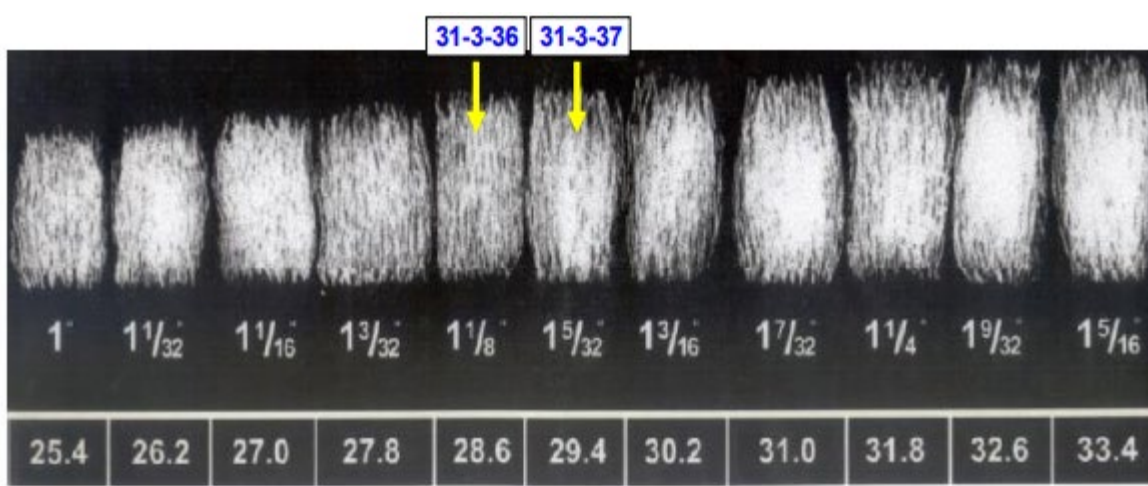


Fig. 6  
Longitudes de fibra  
Fuente: Zellweger Uster

# SFI

UHML		upper half mean length	
code	pulgadas	pulgadas	milímetros
29	29/32	0.90 – 0.92	22.9 – 23.4
30	15/16	0.93 – 0.95	23.6 – 24.1
31	31/32	0.96 – 0.98	24.4 – 24.9
32	1"	0.99 – 1.01	25.1 – 25.8
33	1 1/32	1.02 – 1.04	25.9 – 26.4
34	1 1/16	1.05 – 1.07	26.7 – 27.2
35	1 3/32	1.08 – 1.10	27.4 – 27.9
36	1 1/8	1.11 – 1.13	28.2 – 28.7
37	1 5/32	1.14 – 1.17	29.0 – 29.7



Uniformiy Index (%)	clasificación
Menor que 77	Muy baja
77 a 79	Baja
80 a 82	intermedia
83 a 85	Alta
mayor que 85	muy alta



Resistencia (Strength g/tex)	clasificación
Menor que 21	Muy bajo
22 a 24	Bajo
25 a 27	Medio
28 a 30	Alto
31 o mayor	Muy Alto

Classer's  
Leaf Grade

Trash  
Measuremen  
(% area)

1	<= 0.13
2	<= 0.20
3	<= 0.34
4	<= 0.51
5	<= 0.72
6	<= 1.00
7	<= 1.25
8	> 1.57

# Micronair

# Madurez



micro	clasificación
< 3.0	extrafina
3.0 a 3.6	fina
3.7 a 4.7	promedio
4.8 a 5.4	áspera
> 5.5	muy áspera

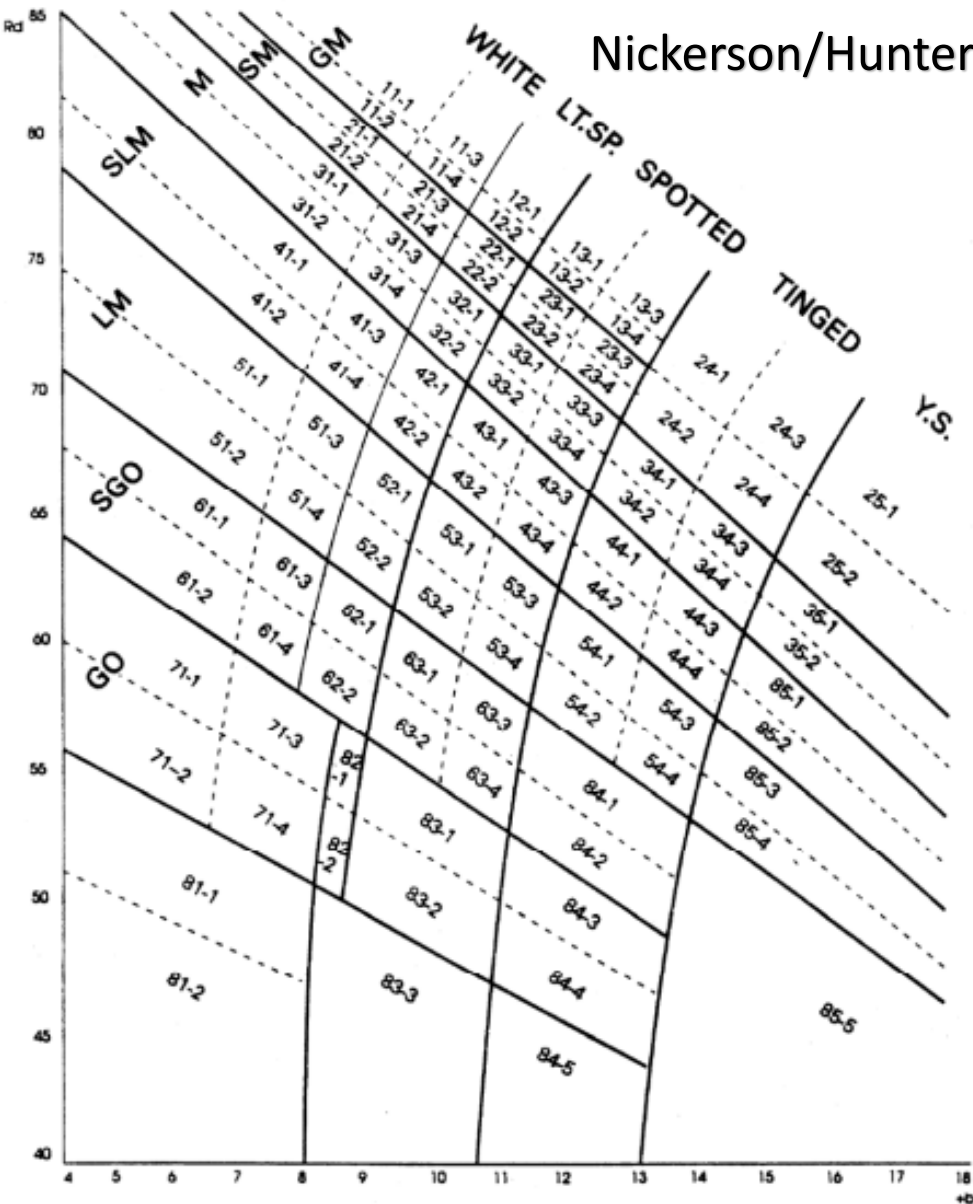
RELACION DE LECTURAS DE MICRONAIRE A VALOR DE MERCADO				
< 3.4	3.5 - 3.6	3.7 - 4.2 Rango de Premio	4.3 - 4.9	> 5.0
Rango de Base				
Rango de descuento				



# Grado

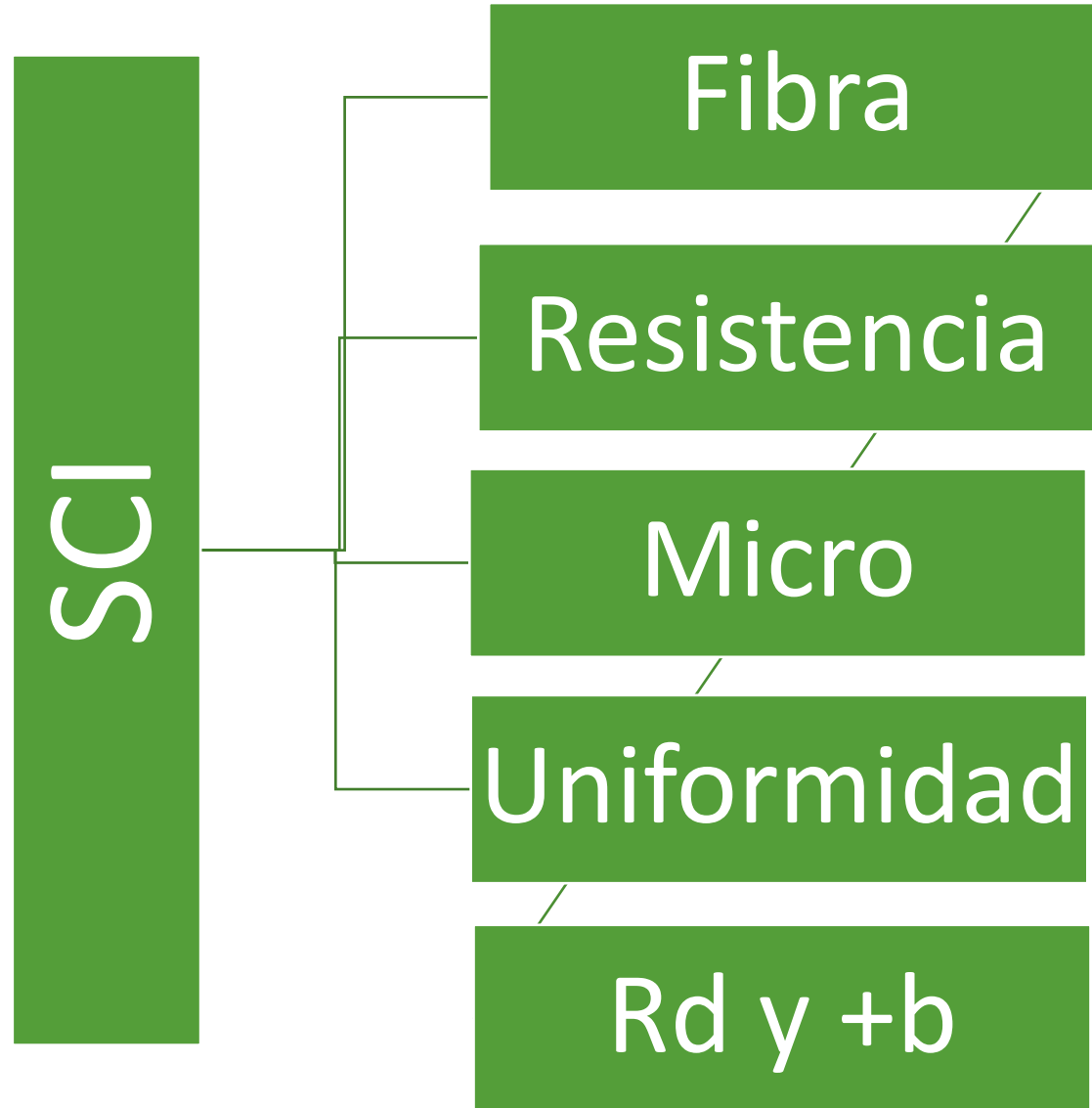
## Color/Grade Translation

Nickerson/Hunter

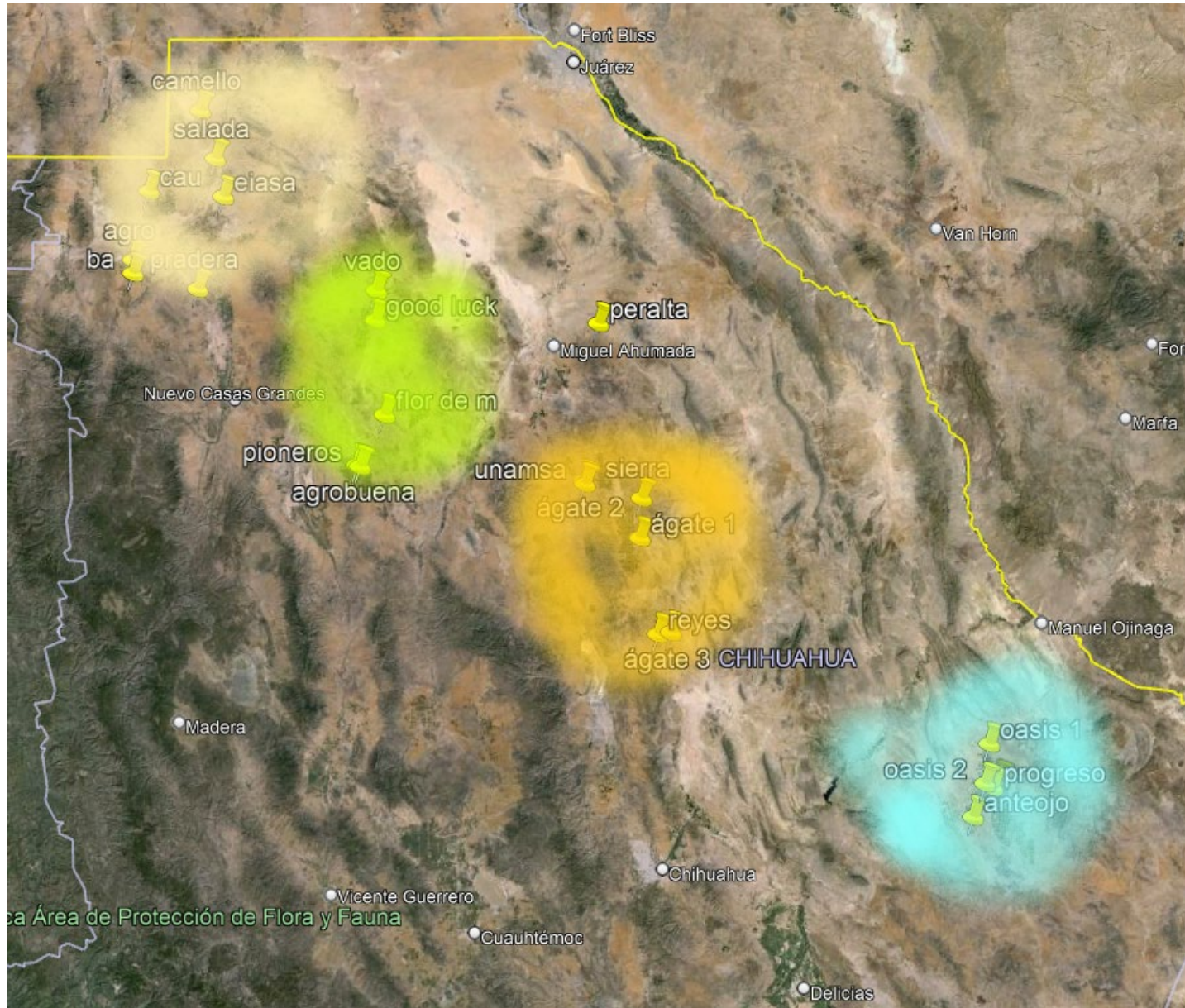


GRADOS DE COLOR DEL ALGODON UPLAND  
Vigente 1993

	Blanco	Manchado Ligero	Manchado	Teñido	Teñido Amarillo
Good Middling	11 *	12	13	-	-
Strict Middling	21 *	22	23 *	24	25
Middling	31 *	32	33 *	34 *	35
Strict Low Middling	41 *	42	43 *	44 *	-
Low Middling	51 *	52	53 *	54 *	-
Strict Good Ordinary	61 *	62	63 *	-	-
Good Ordinary	71 *	-	-	-	-
Below Grade	81	82	83	84	85

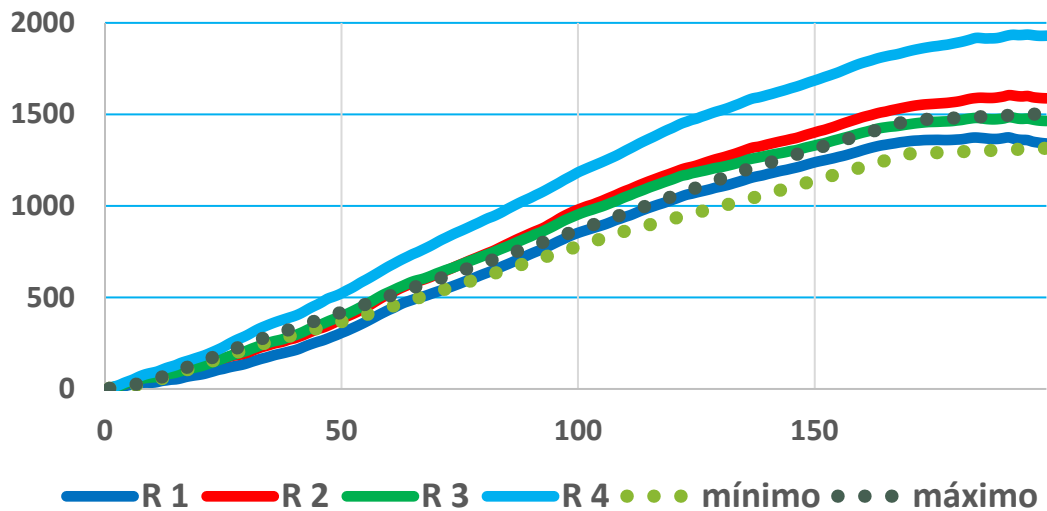




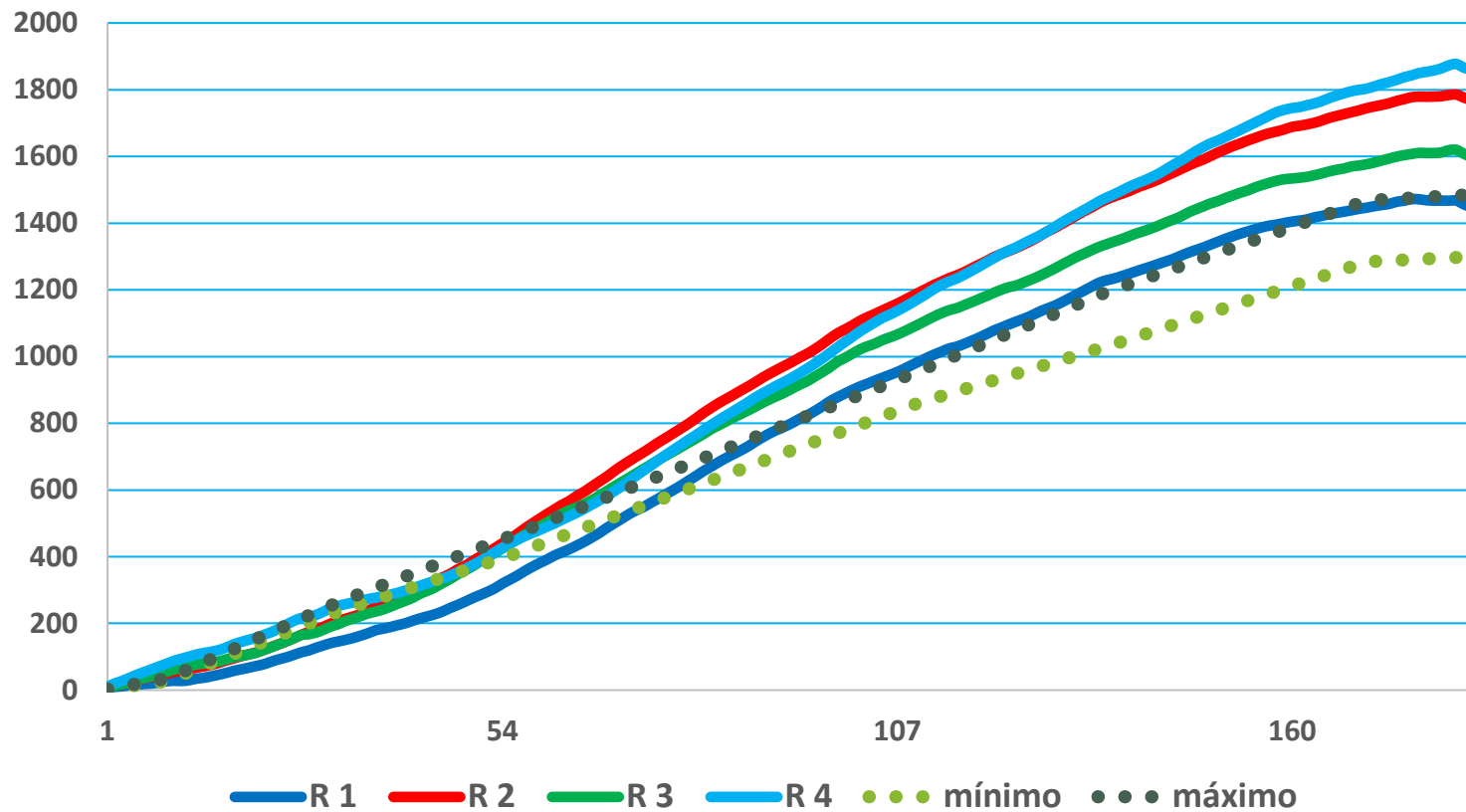




UC 2022



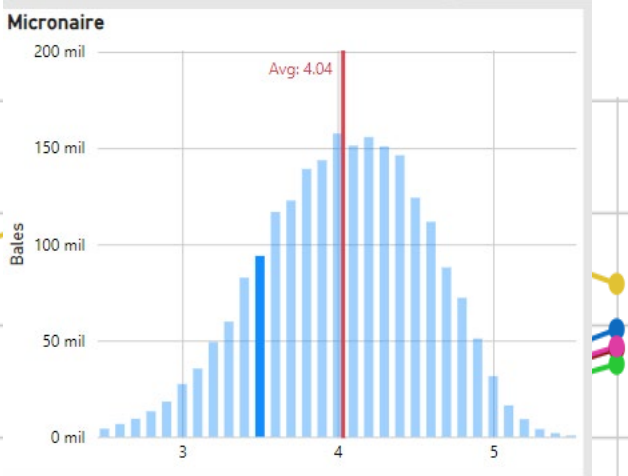
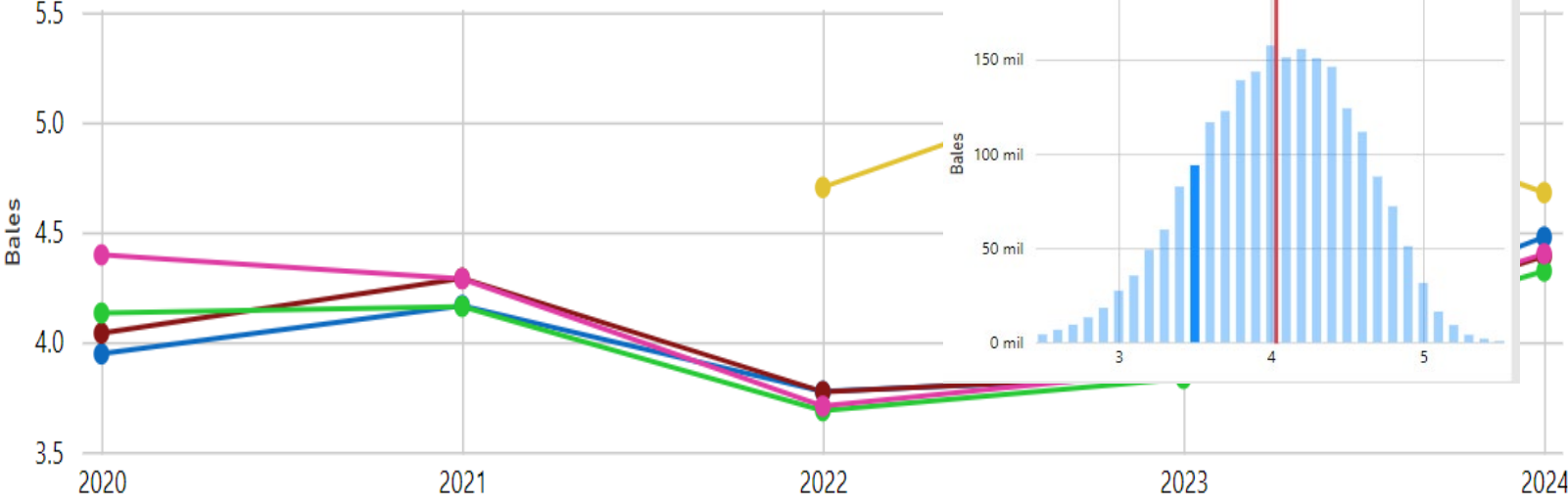
UC 2023





Reg ● CHH1 ● CHH2 ● CHH3 ● CHH4 ● CHH5

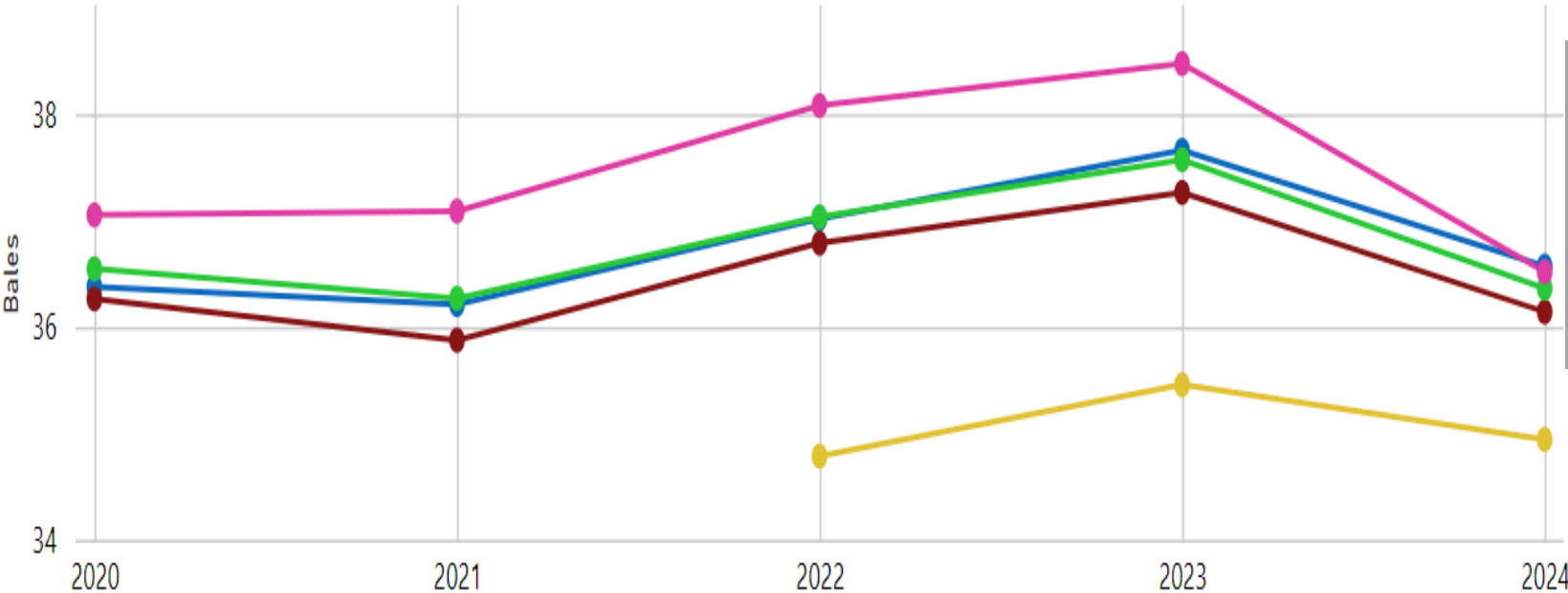
### Micro



Crp	CHH1	CHH2	CHH3	CHH4	CHH5
2020	3.95	4.04	4.13	4.40	
2021	4.17	4.29	4.16	4.29	
2022	3.77	3.77	3.69	3.71	4.70
2023	3.85	3.85	3.83	3.87	5.28
2024	4.48	4.39	4.32	4.40	4.68

Reg ● CHH1 ● CHH2 ● CHH3 ● CHH4 ● CHH5

### Fibra

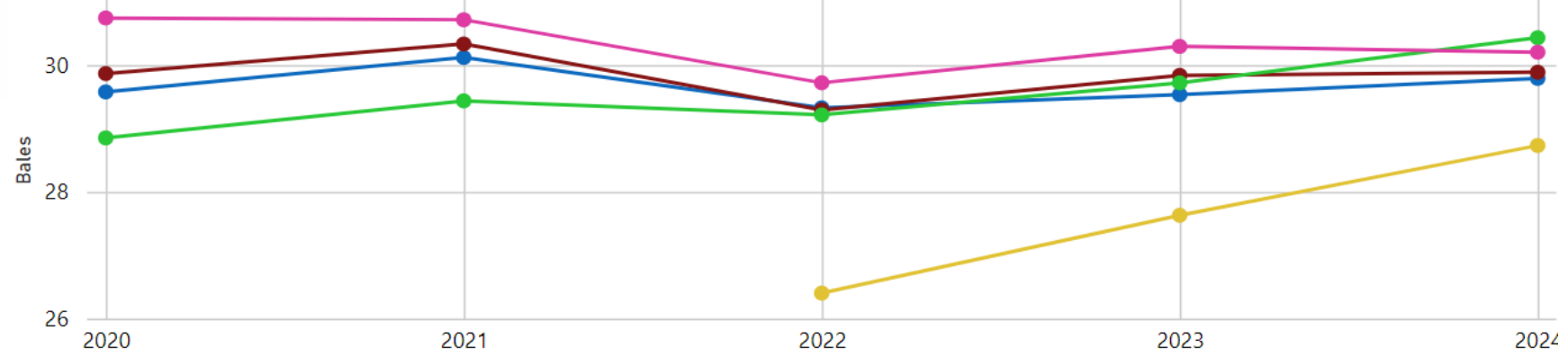


Crp	CHH1	CHH2	CHH3	CHH4	CHH5
2020	36.38	36.26	36.55	37.05	
2021	36.21	35.88	36.27	37.09	
2022	37.02	36.79	37.03	38.08	34.79
2023	37.66	37.26	37.57	38.47	35.46
2024	36.57	36.14	36.36	36.52	34.94



Reg ● CHH1 ● CHH2 ● CHH3 ● CHH4 ● CHH5

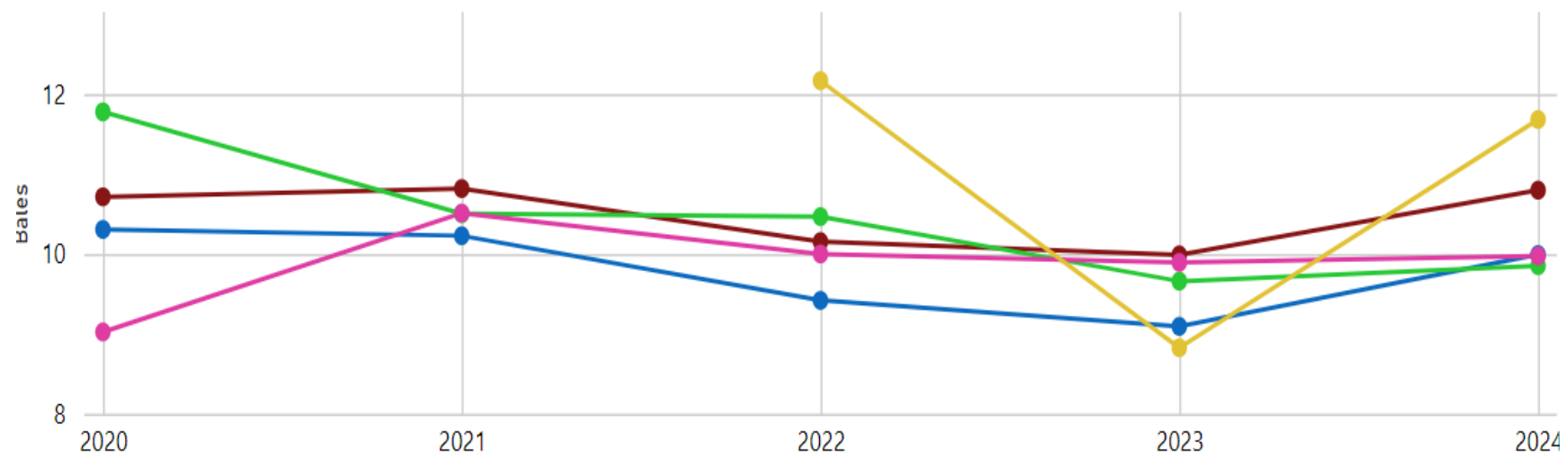
# Resistencia



Crp	CHH1	CHH2	CHH3	CHH4	CHH5
2020	29.58	29.86	28.85	30.74	
2021	30.12	30.33	29.43	30.71	
2022	29.32	29.29	29.21	29.72	26.40
2023	29.53	29.84	29.72	30.29	27.63
2024	29.79	29.89	30.43	30.20	28.73

# Sfi

Reg ● CHH1 ● CHH2 ● CHH3 ● CHH4 ● CHH5

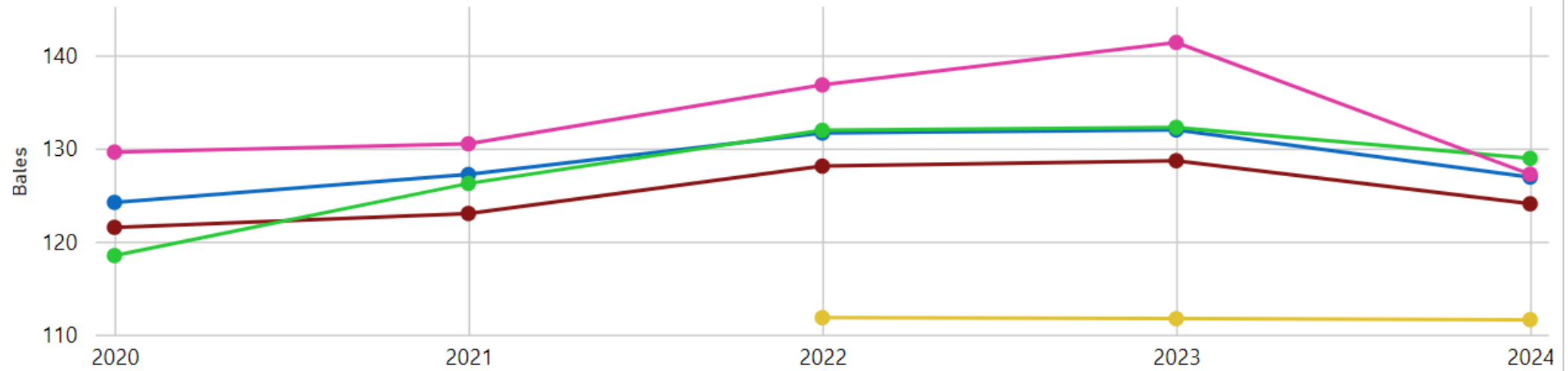


Crp	CHH1	CHH2	CHH3	CHH4	CHH5
2020	10.31	10.71	11.78	9.02	
2021	10.23	10.82	10.50	10.51	
2022	9.42	10.15	10.47	10.00	12.17
2023	9.09	9.99	9.66	9.89	8.83
2024	9.99	10.80	9.85	9.97	11.68



# SCI

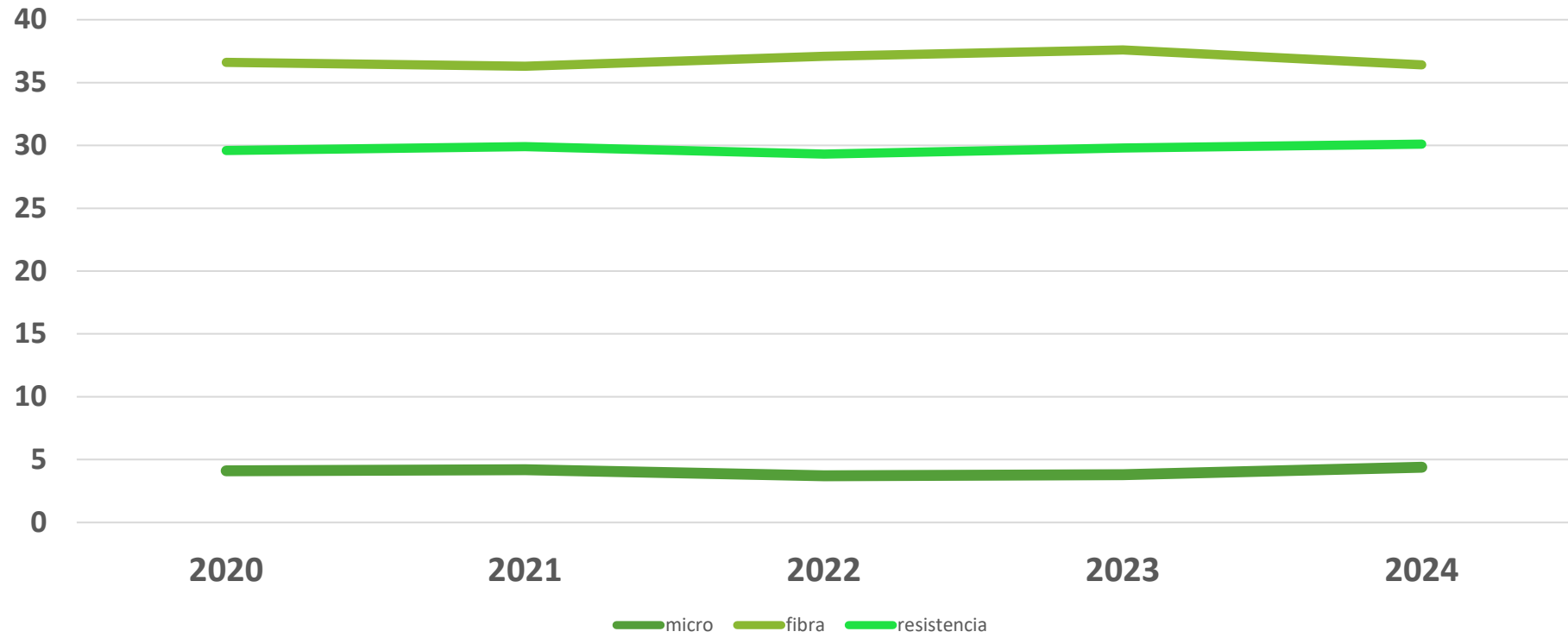
Reg ● CHH1 ● CHH2 ● CHH3 ● CHH4 ● CHH5



Crp	CHH1	CHH2	CHH3	CHH4	CHH5
2020	124.19	121.51	118.48	129.60	
2021	127.19	123.00	126.22	130.48	
2022	131.64	128.08	131.93	136.80	111.81
2023	131.97	128.67	132.25	141.36	111.71
2024	126.90	124.04	128.92	127.22	111.60



## Chihuahua





2023

