

섬유특성별 등급

Upper Half Mean Length (in)		Fiber Elongation (%)		Uniformity Index (%)	
Below 0.99	짧음	Below 5.0	매우 낮음	Below 77	매우 낮음
0.99-1.10	중간	5.0-5.8	낮음	77-79	낮음
1.11-1.26	길음	5.9-6.7	표준	80-82	표준
Above 1.26	더 길음	6.8-7.6	높음	83-85	높음
		Above 7.6	매우 높음	Above 85	매우 높음
Length Uniformity Index (LUI) = $\frac{100 \times \text{Mean Length}}{\text{Upper Half Mean Length}}$					

Fiber Fineness (millitex)		Fiber Maturity Ratio		Fiber Strength	
Below 135	매우 섬세함	Below 0.7	희유함	(1/8-in. gauge strength in grams/tex)	
135-175	섬세함	0.7-0.8	미숙함	23 and below	매우 약함
175-200	표준	0.8-1.0	원숙함	24-25	중간
200-230	거침	Above 1.0	매우 원숙함	26-28	표준
				29-30	강함
				31 and above	매우 강함

EFS™ 시스템

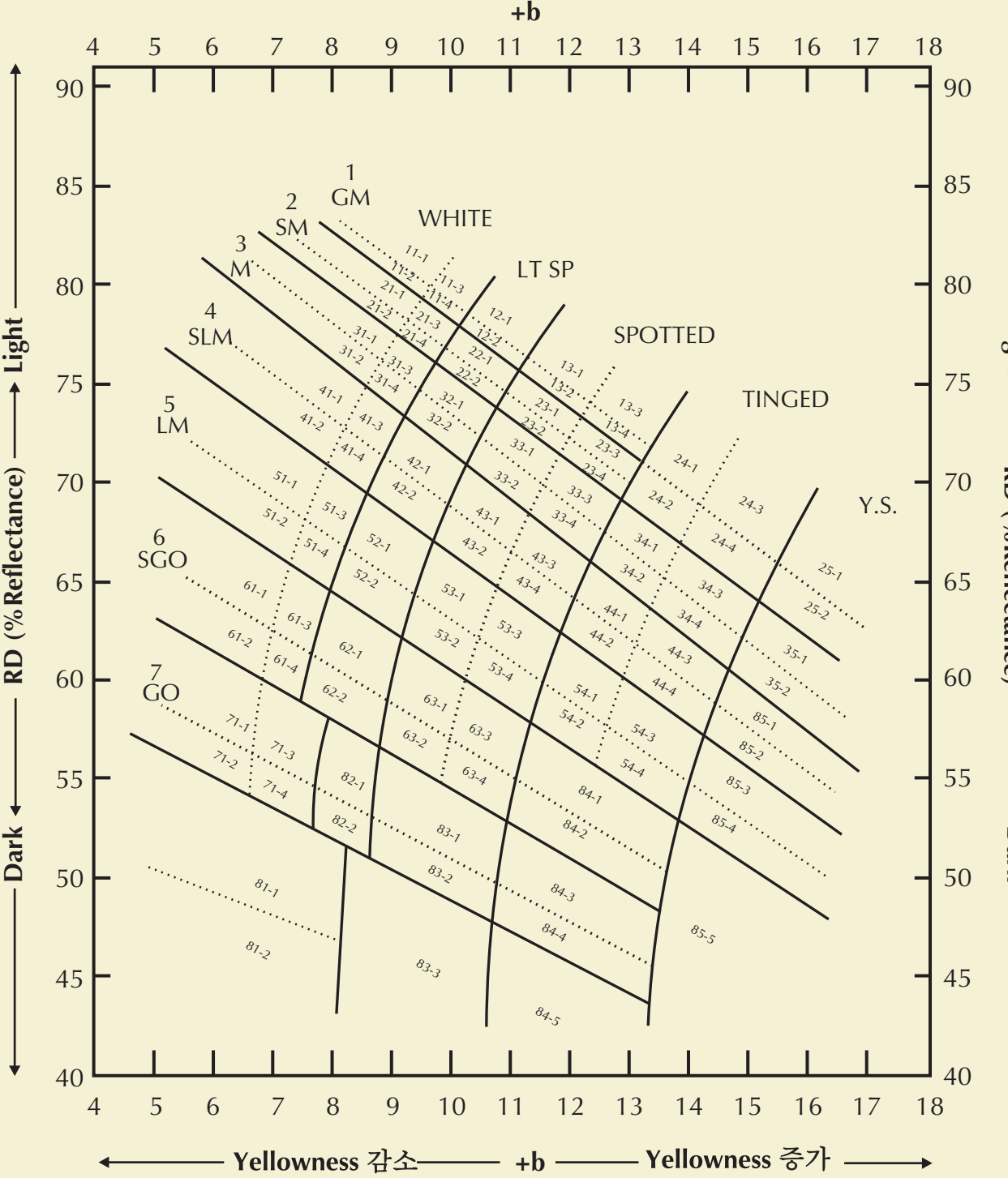
EFS®-USCROP™ AND USCROP™ Web Software



MILLNet™ Software

MILLNet™ 소프트웨어는 미 농무부의 HVI® 품선 원면의 효율적 활용을 관리한다. 원면을 그룹과 카테고리로 분류하여 방직공장에서 생산하는 특정품목에 가장 적합한 균일한 품질의 원면 혼합을 가능케 한다.

HVI® COLOR CHART FOR AMERICAN UPLAND COTTON



미국의 표준 원면등급					
Color Grade	Symbols	Color Grade	Classer Leaf Code	Color Grade	Symbols
White				Spotted	
Good Middling	GM	11	1	Good Middling	GM Sp
Strict Middling	SM	21	2	Strict Middling	SM Sp
Middling	Mid	31	3	Middling	Mid Sp
Strict Low Middling	SLM	41	4	Strict Low Middling	SLM Sp
Low Middling	LM	51	5	Low Middling	LM Sp
Strict Good Ordinary	SGO	61	6	Strict Good Ordinary	SGO Sp
Good Ordinary	GO	71	7		
				Tinged	
Light Spotted				Strict Middling	SM Tg
Good Middling	GM Lt Sp	12		Middling	Mid Tg
Strict Middling	SM Lt Sp	22		Strict Low Middling	SLM Tg
Middling	Mid Lt Sp	32		Low Middling	LM Tg
Strict Low Middling	SLM Lt Sp	42			
Low Middling	LM Lt Sp	52		Yellow Stained	
Strict Good Ordinary	SGO Lt Sp	62		Strict Low Middling	SM YS
				Middling	Mid YS

베일 크기

베일의 평균 순중량은 495 lbs임
(통계목적상 평균 베일 중량은 480 lbs임.)

Universal Densities		
	Gin	국제단위계
Length, in.	55	1.40 m
Width, in.	21	0.53 m
Thickness at bale ties, in.	33	0.84 m



미국 원면 섬유도표 2024/2025

2024/2025 crop season메이터 (최근자료는 www.cottoninc.com/cotton-production/quality/참조)

VISALIA		ABILENE		CORPUS CHRISTI	
(AZ, CA, NM, TX)		(KS, OK, TX)		(TX)	
	369,321 베일		546,346 베일		1,393,488 베일
Micronaire	4.31	Micronaire	4.19	Micronaire	4.47
Length (32's)	37.5	Length (32's)	35.8	Length (32's)	36.5
(100's)	1.17	(100's)	1.12	(100's)	1.14
LUI	81.4%	LUI	80.6%	LUI	81.6%
Strength (g/tex)	32.0	Strength (g/tex)	30.9	Strength (g/tex)	31.3
Grade (11&21)	81.9%	Grade (11&21)	40.2%	Grade (31)	33.4%
Grade (31)	14.0%	Grade (31)	14.7%	Grade (41)	31.4%

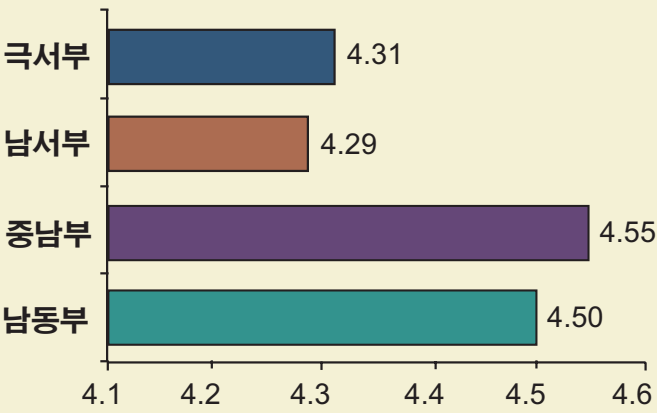
LAMESA		LUBBOCK	
(TX)		(TX)	
	421,399 베일		1,984,743 베일
Micronaire	4.21	Micronaire	4.21
Length (32's)	35.1	Length (32's)	35.5
(100's)	1.10	(100's)	1.11
LUI	79.8%	LUI	80.3%
Strength (g/tex)	29.9	Strength (g/tex)	30.4
Grade (11&21)	64.9%	Grade (11&21)	39.2%
Grade (31)	17.6%	Grade (31)	28.0%

극서부 총계		남서부 총계	
(AZ, CA, NM, TX)		(KS, OK, TX)	
	348,658 베일		4,409,450 베일
Micronaire	4.31	Micronaire	4.29
Length (32's)	37.6	Length (32's)	35.8
(100's)	1.17	(100's)	1.12
LUI	81.5%	LUI	80.7%
Strength (g/tex)	32.1	Strength (g/tex)	30.7
Grade (11&21)	81.9%	Grade (11&21)	34.2%
Grade (31)	14.0%	Grade (31)	27.1%

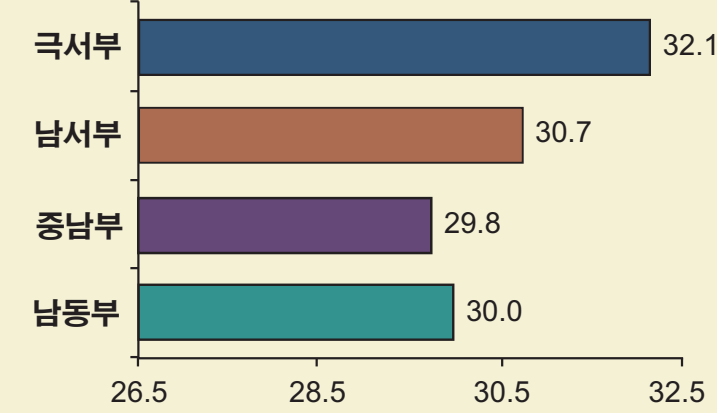
- 극서부
- 남서부
- 중남부
- 남동부

△ 미농무부 품선소

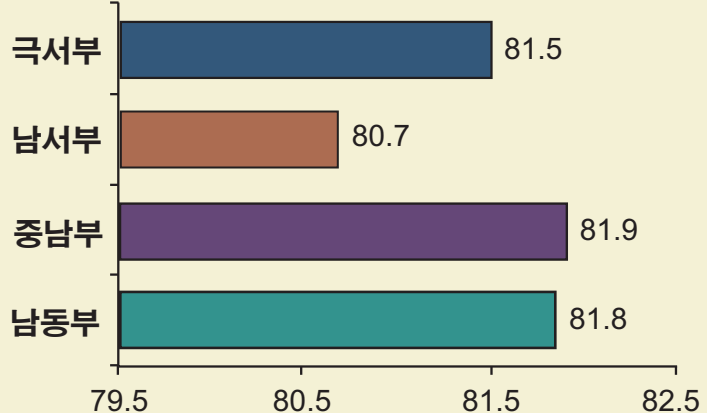
평균 마이크로네어 가치



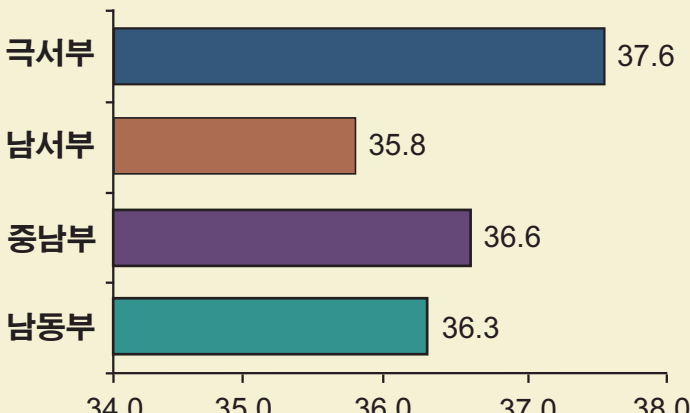
평균 강도 (g/tex)



평균 길이 균일 지수 (%)



평균 섬유 길이 (32's)



DUMAS		MEMPHIS		RAYVILLE	
(AR, MS)		(AL, AR, MO, MS, TN)		(LA, MS, TX)	
	1,441,063 베일		3,255,656 베일		400,930 베일
Micronaire	4.68	Micronaire	4.46	Micronaire	4.63
Length (32's)	36.7	Length (32's)	36.6	Length (32's)	36.9
(100's)	1.15	(100's)	1.14	(100's)	1.15
LUI	81.8%	LUI	81.9%	LUI	81.9%
Strength (g/tex)	30.1	Strength (g/tex)	29.6	Strength (g/tex)	30.8
Grade (41)	47.5%	Grade (41)	50.4%	Grade (31)	38.1%
Grade (31)	37.3%	Grade (31)	34.2%	Grade (41)	35.2%

FLORENCE		MACON	
(NC, SC, VA)		(AL, FL, GA)	
	1,335,271 베일		2,434,650 베일
Micronaire	4.40	Micronaire	4.58
Length (32's)	36.2	Length (32's)	36.3
(100's)	1.13	(100's)	1.13
LUI	81.7%	LUI	81.9%
Strength (g/tex)	29.1	Strength (g/tex)	30.5
Grade (41)	57.7%	Grade (41)	42.6%
Grade (31)	33.4%	Grade (31)	28.9%

중서부 총계		남동부 총계	
(AL, AR, LA, MO, MS, TN, TX)		(AL, FL, GA, NC, SC, VA)	
	4,859,790 베일		3,964,969 베일
Micronaire	4.55	Micronaire	4.50
Length (32's)	36.6	Length (32's)	36.3
(100's)	1.14	(100's)	1.13
LUI	81.9%	LUI	81.8%
Strength (g/tex)	29.8	Strength (g/tex)	30.0
Grade (41)	48.4%	Grade (41)	48.0%
Grade (31)	35.4%	Grade (31)	30.5%