

Supplementary Materials

Table S1. Tukey HSD for unmordanted fabrics.

Fabric	Dye	Color	Pre-Wash	Post-Wash	Pre-Wet Crocking	Post-Wet Crocking	Pre-Dry Crocking	Post-Dry Crocking
Cotton	FP	Red	A	B	B	A	A	A
Cotton	FP	Green	C	B, C	C	C	B	B
Hemp	FP	Red	A	A, B	B	A	B	A
Hemp	FP	Green	C	B, C	C	C	C	B, C
Linen	FP	Red	E	F, G	E	D, E	D, E	E
Linen	FP	Green	G	G	F	F	F	F
Linen	ID	Yellow	D	F	C, D	C	D	C
Linen	ID	Red	C	F	B	B	B	B
Linen	MX	Green	A	B	A	A	A	A
Polyester	FP	Red	A	B	A	A	B	A
Polyester	FP	Green	C	C	B	B	C	C
Rayon	FP	Red	C	D, E	C, D	C	C, D	C
Rayon	FP	Green	E	D	E	D	E	D, E
Rayon	MX	Green	A	B	A	B	A	B
Silk	AR	Green	H	K	G	G	F	F
Silk	FP	Red	K	L	J	I	I	H
Silk	FP	Green	L	M	K	K	J	J
Silk	ID	Yellow	I	J	H	H	G	G
Silk	ID	Red	E	G, H	D	D	D	D, E
Silk	MX	Yellow	C	D	B	C	C	C
Silk	MX	Red	A	B	A	B	A	A, B
Silk	MX	Green	F	G	E	F	E	E
Wool	AR	Yellow	A	J	B	B	B	A, B
Wool	AR	Red	C	H	C	C	C	C
Wool	AR	Green	G	K	F	F	E	E
Wool	FP	Red	L	M	H	G	G	F
Wool	FP	Green	M	L, M	I	I	H	H
Wool	ID	Red	H	I	E	E	E	E
Wool	MX	Yellow	E	F	D	D	D	D, E
Wool	MX	Red	B	D	A	A	A	A, B
No statistical difference								
Xylindein-dyed fabric colorfast to all treatments								

Table S2. Tukey HSD results for mordanted fabrics.

Fabric	Dye	Color	Pre-Wash	Post-Wash	Pre-Wet crocking	Post-Wet Crocking	Pre-Dry Crocking	Post-Dry Crocking
Cotton	FP	Yellow	G	H, I	I	I	H	H
Cotton	FP	Red	F	H	H	G	G	G
Cotton	FP	Green	I	H, I	K, L	J, K	I, J	I
Cotton	MX	Yellow	C	D	C	D	C	D
Cotton	MX	Red	A	B	A	B	A	B
Cotton	MX	Green	D	E	E	F	E	F
Cotton	NT	Green	J	H	L	J, K	J	I
Hemp	FP	Yellow	B, C	B, C, D, E	E	E	D, E	D, E
Hemp	FP	Red	B	E	E	D	E	D
Hemp	FP	Green	D, E	C, D, E	F	F	F	F
Hemp	MX	Yellow	A	B, C	A	A	A	A
Hemp	MX	Green	A	B, C, D	B	C	B	C
Linen	FP	Green	E	F	E	E	E	E
Linen	MX	Red	A	B	A	B	A	B
Linen	MX	Green	C	D	C	D	C	C
Polyester	FP	Red	A	C	B	A	A	B
Polyester	FP	Green	B	B	C	C	C	C
Rayon	FP	Green	C	D	B	B	D	D
Rayon	MX	Red	A	D	A	A	A	B
Rayon	MX	Green	B	D	B	B	C	D
Silk	AR	Yellow	A	I, J	A	B	A	B
Silk	AR	Red	B	F	B	C	C	D
Silk	AR	Green	E	H	F, G	G	H	I
Silk	FP	Red	I	K	I	H, I	L	K
Silk	FP	Green	K	K	J	J	M	M
Silk	ID	Red	C	E	C, D	D, E	E	F
Silk	MX	Yellow	H	I	H	H	J	J
Silk	MX	Red	D	G	D, E	E, F	F, G	G, H
Silk	MX	Green	H	J, K	H	H, I	K	K
Wool	NT	Red	E	G, H	F	G, H	E, F	F, G, H
Wool	AR	Yellow	D	I	F, G	F, G, H	E, F, G	F, G, H
Wool	AR	Red	C	H	C, D	E	C	D
Wool	FP	Yellow	I, J	I, J	I	I	I	I
Wool	FP	Green	K	J, K	J	I, J	J	I, J
Wool	ID	Red	D	D, E	G, H	G, H	G, H	H
Wool	MX	Yellow	G, F	H	F	F, G, H	E	E, F, G
Wool	MX	Red	B	E, F	C	D, E	B	C, D
Wool	NT	Yellow	A	D, E	A	B	A	B

No statistical difference

Xylindein-dyed fabric colorfast to all treatments

Red disperse-dyed fabric colorfast to all treatments

Yellow pigment-dyed fabric colorfast to all treatments

