Attachment 3.

(Kc) Alfalfa Hay - frequent dairy style ~4 cuttings
2000 - 2010
2011 - 2021
Monthly Kc
1.0
0.8
0.6
0.4
0.2
0.0
4/2011
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10/2020
4/2021
10/2021

(Kc) Alfalfa Hay - peak (no cutting effects (i.e. alfalfa reference except early and late))
2000 - 2010
2011 - 2021
Monthly Kc
1.0
0.8
0.6
0.4
0.2
0.0
4/2011
10/2011
4/2012
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4/2021
10/2021

(Kc) Asparagus
2000 - 2010
Monthly Kc
0.0
0.2
0.4
0.6
0.8
2011 - 2021
Monthly Kc
0.2
0.4
0.6
0.8
4/2011
10/2011
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10/2020
4/2021
10/2021

(Kc) Bare soil
2000 - 2010
Monthly Kc
0.0
0.2
0.4
0.6
0.8
2011 - 2021
Monthly Kc
0.0
0.2
0.4
0.6
0.8
4/2011
10/2011
4/2012
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4/2021
10/2021

(Kc) Barley/Corn
2000 - 2010
2011 - 2021
Monthly Kc
1.0
0.8
0.6
0.4
0.2
0.0
4/2011
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10/2021

(Kc) Barley/Sorghum
2000 - 2010
2011 - 2021
Monthly Kc
1.0
0.8
0.6
0.4
0.2
0.0
4/2011
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4/2021
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(Kc) Canola
2000 - 2010
2011 - 2021
Monthly Kc
1.0
0.8
0.6
0.4
0.2
0.0
4/2011
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4/2021
10/2021

(Kc) Carrots
2000 - 2010
2011 - 2021
Monthly Kc
0.0
0.2
0.4
0.6
0.8
4/2011
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10/2020
4/2021
10/2021

(Kc) Cottonwoods
2000 - 2010
2011 - 2021
Monthly Kc
0.2
0.4
0.6
0.8
4/2011
10/2011
4/2012
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4/2020
10/2020
4/2021
10/2021

(Kc) Developed/Low Intensity
2000 - 2010
2011 - 2021
Monthly Kc
0.0
0.2
0.4
0.6
0.8
4/2011
10/2011
4/2012
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4/2020
10/2020
4/2021
10/2021

(Kc) Developed/Medium Intensity
2000 - 2010
2011 - 2021
Monthly Kc
0.0
0.2
0.4
0.6
0.8
4/2011
10/2011
4/2012
10/2012
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4/2020
10/2020
4/2021
10/2021

(Kc) Dormant turf/sod (winter time)
2000 - 2010
2011 - 2021
Monthly Kc
0.0
0.2
0.4
0.6
0.8
4/2011
10/2011
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10/2020
4/2021
10/2021

(Kc) Evergreen Forest
2000 - 2010
2011 - 2021
Monthly Kc
1.0
0.8
0.6
0.4
0.2
0.0
4/2011
10/2011
4/2012
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4/2019
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4/2020
10/2020
4/2021
10/2021

(Kc) Garden Vegetables - general
2000 - 2010
2011 - 2021
Monthly Kc
0.0
0.2
0.4
0.6
0.8
4/2011
10/2011
4/2012
10/2012
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4/2020
10/2020
4/2021
10/2021

(Kc) Grass - Turf (lawns) - Irrig.
2000 - 2010
Monthly Kc
0.0
0.2
0.4
0.6
0.8
2011 - 2021
Monthly Kc
0.2
0.4
0.6
0.8
4/2011
10/2011
4/2012
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10/2020
4/2021
10/2021

(Kc) Grass - Turf (lawns) - Rainfed
2000 - 2010
2011 - 2021
Monthly Kc
0.0
0.2
0.4
0.6
0.8
4/2011
10/2011
4/2012
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4/2021
10/2021

(Kc) Grass Hay
2000 - 2010
Monthly Kc
1.0
0.8
0.6
0.4
0.2
0.0
2011 - 2021
Monthly Kc
1.0
0.8
0.6
0.4
0.2
4/2011
10/2011
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4/2021
10/2021

(Kc) Grass Pasture - high management
2000 - 2010
Monthly Kc
0.0
0.2
0.4
0.6
0.8
2011 - 2021
Monthly Kc
0.2
0.4
0.6
0.8
4/2011
10/2011
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10/2020
4/2021
10/2021

(Kc) Grass Pasture - low management
2000 - 2010
2011 - 2021
Monthly Kc
0.0
0.2
0.4
0.6
0.8
4/2011
10/2011
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4/2021
10/2021

(Kc) Mint
2000 - 2010
2011 - 2021
Monthly Kc
1.0
0.8
0.6
0.4
0.2
0.0
4/2011
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4/2021
10/2021

(Kc) Mulched soil - including wheat stubble
2000 - 2010
2011 - 2021
Monthly Kc
0.0
0.2
0.4
0.6
0.8
4/2011
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10/2020
4/2021
10/2021

(Kc) Mustard
2000 - 2010
2011 - 2021
Monthly Kc
1.0
0.8
0.6
0.4
0.2
0.0
4/2011
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(Kc) Onions
2000 - 2010
2011 - 2021
Monthly Kc
0.0
0.2
0.4
0.6
0.8
4/2011
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4/2021
10/2021

(Kc) Open water - deep systems (lakes or reservoirs)
2000 - 2010
Monthly Kc
1.4
1.2
1.0
0.8
0.6
0.4
0.2
2011 - 2021
Monthly Kc
1.2
1.0
0.8
0.6
0.4
4/2011
10/2011
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(Kc) Open water - shallow systems (large ponds or streams)
2000 - 2010
2011 - 2021
Monthly Kc
0.8
0.7
0.6
0.5
0.4
4/2011
10/2011
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(Kc) Open water - small stock ponds
2000 - 2010
2011 - 2021
Monthly Kc
0.8
0.7
0.6
0.5
0.4
4/2011
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10/2021

(Kc) Orchards - Apples and Cherries no ground cover
2000 - 2010
2011 - 2021
Monthly Kc
0.0
0.2
0.4
0.6
0.8
4/2011
10/2011
4/2012
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10/2021

(Kc) Orchards - Apples and Cherries w/ground cover
2000 - 2010
2011 - 2021
Monthly Kc
1.0
0.8
0.6
0.4
0.2
0.0
4/2011
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4/2021
10/2021

(Kc) Peas--seed
2000 - 2010
2011 - 2021
Monthly Kc
0.0
0.2
0.4
0.6
0.8
4/2011
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(Kc) Poplar (third year and older)
2000 - 2010
2011 - 2021
Monthly Kc
1.0
0.8
0.6
0.4
0.2
0.0
4/2011
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(Kc) Potatoes--cold pack (late harvest)
2000 - 2010
2011 - 2021
Monthly Kc
0.0
0.2
0.4
0.6
0.8
4/2011
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(Kc) Potatoes--processing (early harvest)
2000 - 2010
2011 - 2021
Monthly Kc
0.0
0.2
0.4
0.6
0.8
4/2011
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(Kc) Range Grasses- brome grass
2000 - 2010
2011 - 2021
Monthly Kc
0.0
0.2
0.4
0.6
0.8
4/2011
10/2011
4/2012
10/2012
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10/2021

(Kc) Range Grasses- early short season (cheat etc.)
2000 - 2010
2011 - 2021
Monthly Kc
0.0
0.2
0.4
0.6
0.8
4/2011
10/2011
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10/2021

(Kc) Range Grasses- long season (bunch - wheatgrass
2000 - 2010
2011 - 2021
Monthly Kc
0.0
0.2
0.4
0.6
0.8
4/2011
10/2011
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4/2021
10/2021

(Kc) Safflower - Irrigated
2000 - 2010
2011 - 2021
Monthly Kc
0.0
0.2
0.4
0.6
0.8
4/2011
10/2011
4/2012
10/2012
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4/2021
10/2021

(Kc) Safflower - Rainfed
2000 - 2010
2011 - 2021
Monthly Kc
0.0
0.2
0.4
0.6
0.8
4/2011
10/2011
4/2012
10/2012
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(Kc) Sage brush
2000 - 2010
2011 - 2021
Monthly Kc
0.0
0.2
0.4
0.6
0.8
4/2011
10/2011
4/2012
10/2012
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4/2021
10/2021

(Kc) Silage Corn (same as field corn but with truncated season)
2000 - 2010
2011 - 2021
Monthly Kc
1.0
0.8
0.6
0.4
0.2
0.0
4/2011
10/2011
4/2012
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4/2020
10/2020
4/2021
10/2021

(Kc) Spring Grain - Irrigated
2000 - 2010
2011 - 2021
Monthly Kc
1.0
0.8
0.6
0.4
0.2
0.0
4/2011
10/2011
4/2012
10/2012
4/2013
10/2013
4/2014
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4/2019
10/2019
4/2020
10/2020
4/2021
10/2021

(Kc) Spring Grain - Rainfed
2000 - 2010
2011 - 2021
Monthly Kc
0.0
0.2
0.4
0.6
0.8
4/2011
10/2011
4/2012
10/2012
4/2013
10/2013
4/2014
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4/2019
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4/2020
10/2020
4/2021
10/2021

(Kc) Sugar beets
2000 - 2010
2011 - 2021
Monthly Kc
1.0
0.8
0.6
0.4
0.2
0.0
4/2011
10/2011
4/2012
10/2012
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4/2019
10/2019
4/2020
10/2020
4/2021
10/2021

(Kc) Sunflower - Irrigated
2000 - 2010
2011 - 2021
Monthly Kc
0.0
0.2
0.4
0.6
0.8
4/2011
10/2011
4/2012
10/2012
4/2013
10/2013
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4/2020
10/2020
4/2021
10/2021

(Kc) Sweet Corn -- early
2000 - 2010
2011 - 2021
Monthly Kc
1.0
0.8
0.6
0.4
0.2
0.0
4/2011
10/2011
4/2012
10/2012
4/2013
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4/2019
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4/2020
10/2020
4/2021
10/2021

(Kc) Sweet Corn -- late
2000 - 2010
2011 - 2021
Monthly Kc
1.0
0.8
0.6
0.4
0.2
0.0
4/2011
10/2011
4/2012
10/2012
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4/2019
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4/2020
10/2020
4/2021
10/2021

(Kc) Triticale/Corn
2000 - 2010
2011 - 2021
Monthly Kc
1.0
0.8
0.6
0.4
0.2
0.0
4/2011
10/2011
4/2012
10/2012
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10/2020
4/2021
10/2021

(Kc) Wetlands--large stands
2000 - 2010
2011 - 2021
Monthly Kc
1.0
0.8
0.6
0.4
0.2
4/2011
10/2011
4/2012
10/2012
4/2013
10/2013
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4/2019
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4/2020
10/2020
4/2021
10/2021

(Kc) Wetlands--narrow stands
2000 - 2010
2011 - 2021
Monthly Kc
1.50
1.25
1.00
0.75
0.50
0.25
4/2011
10/2011
4/2012
10/2012
4/2013
10/2013
4/2014
10/2014
4/2015
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4/2016
10/2016
4/2017
10/2017
4/2018
10/2018
4/2019
10/2019
4/2020
10/2020
4/2021
10/2021

(Kc) Willows
2000 - 2010
2011 - 2021
Monthly Kc
0.2
0.4
0.6
0.8
4/2011
10/2011
4/2012
10/2012
4/2013
10/2013
4/2014
10/2014
4/2015
10/2015
4/2016
10/2016
4/2017
10/2017
4/2018
10/2018
4/2019
10/2019
4/2020
10/2020
4/2021
10/2021

(Kc) Winter Grain - Irrigated
2000 - 2010
2011 - 2021
Monthly Kc
1.0
0.8
0.6
0.4
0.2
0.0
4/2011
10/2011
4/2012
10/2012
4/2013
10/2013
4/2014
10/2014
4/2015
10/2015
4/2016
10/2016
4/2017
10/2017
4/2018
10/2018
4/2019
10/2019
4/2020
10/2020
4/2021
10/2021

(Kc) Winter Grain - Rainfed
2000 - 2010
2011 - 2021
Monthly Kc
0.0
0.2
0.4
0.6
0.8
4/2011
10/2011
4/2012
10/2012
4/2013
10/2013
4/2014
10/2014
4/2015
10/2015
4/2016
10/2016
4/2017
10/2017
4/2018
10/2018
4/2019
10/2019
4/2020
10/2020
4/2021
10/2021

(Kc) WinWht/Sorghum
2000 - 2010
2011 - 2021
Monthly Kc
1.0
0.8
0.6
0.4
0.2
0.0
4/2011
10/2011
4/2012
10/2012
4/2013
10/2013
4/2014
10/2014
4/2015
10/2015
4/2016
10/2016
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4/2021
10/2021