

HATCH CHART

For Western North Carolina



INSECTS	EMERGENCE	PATTERN	
JANUARY			
Dipterae Midge	Afternoon	18 - 24 Gray Midge	18 - 24 Olive Midge
Blue Winged Olive	Afternoon	18 - 24 Blue Winged Olive	18 - 24 Adams
Early Black Stone Fly	All Day	18 Black Stone Fly Nymph	18 Black Adult Stone Fly
FEBRUARY-MARCH			
Blue Winged Olive	February - March Early Afternoons - Warm Days	18 Blue Winged Olive	18 Adams
Early Black Stone	February - March All Day	18 Black Stone Fly Nymph	18 Black Adult Stone Fly
Blue Quill (<i>Paraleptophlebia Adoptiva</i>)	Late March Morning to Early Afternoon	18 Blue Quill Wet & Dry	18 Adams
Quill Gordon (<i>Epeorus Pleuralis</i>)	Late March Early Afternoon	12 - 14 Quill Gordon, Wet & Dry	
APRIL			
Blue Quills (<i>Paraleptophlebia Adoptiva</i>)	Early April Mornings to Early Afternoons	18 Blue Quill Wet & Dry	18 Adams
Quill Gordon (<i>Epeorus Pleuralis</i>)	Early April Early Afternoons	12 - 14 Quill Gordon, Wet & Dry	
Dark Dun/Black Caddis	Mid-April Mid-Mornings	14 - 16 Black Soft Hackle	14 - 16 Dark Elk Hair Caddis
MAY			
Hendrickson (<i>Ephemerella Subvaria</i>)	All Day; Female Spinner has Yellow Egg Sac	14 Hendrickson	14 Red Quill 14 Female Adams
March Brown (<i>Stenonema Vicarium</i>)	Mid-May All Day Sporadically	12 March Brown, Wet & Dry	
Light Cahill (<i>Stenonema Ithaca</i>)	Afternoon - Evening	16 - 18 Light Cahill	
Yellow Midge (<i>Diptera</i>)	Early May	20 Yellow Midge	
Sulphurs (<i>Ephemerella Dorothea</i>)	Early May Late Afternoon and Evening	16 - 18 Sulphurs	16 - 18 Light Cahill
Black Caddis	Early May All Day	18 Black Soft Hackle	18 Black Fluttering Caddis
Cream Midge	Mid-May All Day	20 - 22 Cream Midge	
Blue Winged Olive (<i>Baetis</i>)	Mid-May Early Afternoon	20 - 22 Blue Winged Olive	20 - 22 Adams
Giant Stone Fly (<i>Pteronarcys</i>)	Early May Early Morning	4 - 8 Stone Fly Nymph	
JUNE			
Mottled Brown	Early June — All Day Sporadically	16 Brown or Gray Soft Hackle	16 Brown Elk Hair Caddis
Light Cahill (<i>Stenonema Ithaca</i>)	Sporadically — Late Afternoon and Evening	16 - 18 Light Cahill	
Sulphurs (<i>Ephemerella Dorothea</i>)	Late Afternoon and Evening	16 - 18 Sulphurs	16 - 18 Light Cahill
Isonychia Bicolor	Sporadically — All Day	12 Adams	
Green and Yellow Stone Fly	Late Afternoons	16 Light Green and Yellow Fluttering Stone	
Terrestrials	All Summer	Inchworms, Black Ants, Beetles, and Crickets	
JULY			
Isonychia Bicolor	Sporadically — All Day	12 Adams	
Green and Yellow Stone Fly	Late Afternoons	16 Light Green and Yellow Fluttering Stone	
Golden Stone Fly (<i>Acroneuria</i>)	Early Morning and at Dusk	6 - 8 Stone Fly Nymph	
Light Cahill (<i>Stenonema Ithaca</i>)	Sporadically — Late Afternoon and Evening	16 - 18 Light Cahill	
Terrestrials	All Summer	Inchworms, Black Ants, Beetles, and Crickets	
AUGUST			
Isonychia Bicolor	Sporadically — All Day	12 Adams	
Golden Stone Fly (<i>Acroneuria</i>)	Early Morning and at Dusk	6 - 8 Stone Fly Nymph	
Light Cahill (<i>Stenonema Ithaca</i>)	Sporadically — Late Afternoon and Evening	16 - 18 Light Cahill	
Flying Ants	All Day	20 - 24 Spent-wing Black and Brown Ants	
Terrestrials	All Summer	Inchworms, Black Ants, Beetles, and Crickets	
SEPTEMBER			
Light Cahill (<i>Stenonema Ithaca</i>)	Usually at Dusk	16 - 18 Light Cahill	
Isonychia Bicolor	Sporadically — All Day	12 Adams	
Flying Ants	All Day	20 - 24 Spent-wing Black and Brown Ants	
Terrestrials	All Summer	Inchworms, Black Ants, Beetles, and Crickets	
OCTOBER-NOVEMBER			
Dipterae Midge	October - November Afternoon	18 - 24 Gray Midge	
Blue Winged Olive	October - November Afternoon	18 - 24 Blue Winged Olive	18 - 24 Adams

For a closer look at these bugs and their behaviors, check out this handy guide: <http://www.troutnut.com/hatches>.

FOOD PREFERENCES

OF RAINBOW AND BROWN TROUT IN SOUTHERN APPALACHIAN STREAMS

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Photo courtesy of Heath Carree

Seasonal changes in the numerical contributions of selected invertebrate taxa to the drift and to rainbow and brown trout diets, all sites combined. Value listed is the mean percent of the drift or stomach samples made up by each taxon; the value in parentheses is the standard error of the mean.

Taxon	Early Summer			Late Summer			Autumn		
	Drift	Rainbow Trout	Brown Trout	Drift	Rainbow Trout	Brown Trout	Drift	Rainbow Trout	Brown Trout
Ephemeroptera	28.4 (8.0)	21.5 (6.0)	22.4 (7.8)	20.5 (6.6)	29.2 (8.4)	12.9 (5.3)	7.7 (2.8)	23.0 (7.3)	22.1 (13.8)
Trichoptera	27.4 (7.2)	19.3 (5.0)	28.8 (10.2)	13.4 (3.3)	12.3 (3.5)	14.3 (10.0)	14.5 (6.4)	8.7 (3.1)	20.4 (8.9)
Plecoptera	6.8 (4.4)	7.8 (2.9)	10.0 (5.1)	10.3 (4.2)	5.5 (2.0)	3.1 (2.0)	16.9 (4.8)	5.5 (1.8)	4.0 (0.2)
Aquatic Diptera	12.5 (2.9)	8.4 (3.1)	8.3 (1.0)	24.7 (5.0)	6.5 (3.1)	12.2 (8.1)	9.9 (4.9)	4.2 (1.3)	0.7 (0.7)
Terrestrial Diptera	.6 (.6)	2.0 (1.6)	1.2 (1.2)	5.1 (4.6)	7.2 (2.7)	7.1 (5.8)	7.2 (2.9)	16.9 (5.4)	11.9 (3.6)
Hymenoptera	2.2 (2.2)	9.1 (3.6)	3.1 (1.9)	9.2 (9.2)	20.0 (11.7)	20.5 (17.8)	2.3 (1.2)	7.1 (2.2)	6.1 (2.3)
Other Taxa	22.1 (9.2)	31.9 (7.2)	26.2 (0.7)	16.8 (4.3)	19.3 (4.2)	29.9 (7.3)	41.5 (7.0)	34.6 (11.2)	34.8 (6.7)