

Canon imagePROGRAF iPF8400S

Cost Per Print and Ink Yield Analysis

	Canon Premium Semi-Glossy Paper 280gsm 2				Canon Graphic Matte Canvas				Canon Durable Backlit Film					
	Standard		Economy Mode		Standard		Standard		Standard		Standard			
	700ml	330ml	700ml	330ml	700ml	330ml	700ml	330ml	700ml	330ml	700ml	330ml		
42"	N5 42"x53" 14.45ft ²	Ink Cost/Print	\$3.70	\$4.62	\$3.07	\$3.83	\$3.49	\$4.36	\$4.08	\$5.09	\$14.53	\$14.53		
		Media Cost/Print	\$12.21	\$12.21	\$12.21	\$12.21	\$30.51	\$30.51	\$14.53	\$14.53	\$18.61	\$19.62		
		Total Print Cost	\$15.91	\$16.83	\$15.28	\$16.04	\$34.00	\$34.87	\$18.61	\$19.62				
	Menu 42"x58" 16.92ft ²	Ink Cost/ft ²	\$0.247	\$0.308	\$0.205	\$0.255	\$0.233	\$0.290	\$0.272	\$0.339	\$0.949	\$0.949		
		Media Cost/ft ²	\$0.798	\$0.798	\$0.798	\$0.798	\$1.993	\$1.993	\$0.949	\$0.949	\$1.221	\$1.288		
		Total Cost/ft²	\$1.045	\$1.106	\$1.003	\$1.053	\$2.226	\$2.283	\$1.221	\$1.288				
	Flower 42"x52" 15.2ft ²	ft ² /Ink Set	14,340	6,760	17,286	8,150	15,204	7,168	13,009	6,133				
		Ink Cost/Print	\$5.76	\$7.19	\$5.17	\$6.45	\$5.80	\$7.24	\$5.93	\$7.40	\$16.14	\$16.14		
		Media Cost/Print	\$13.56	\$13.56	\$13.56	\$13.56	\$33.88	\$33.88	\$16.14	\$16.14	\$22.07	\$23.54		
		Total Print Cost	\$19.32	\$20.75	\$18.73	\$20.01	\$39.88	\$41.12	\$22.07	\$23.54				
Ink Cost/ft ²		\$0.341	\$0.425	\$0.306	\$0.382	\$0.343	\$0.428	\$0.351	\$0.437	\$0.949	\$0.949			
Media Cost/ft ²		\$0.798	\$0.798	\$0.798	\$0.798	\$1.993	\$1.993	\$0.949	\$0.949	\$1.300	\$1.386			
	Total Cost/ft²	\$1.139	\$1.223	\$1.104	\$1.180	\$2.336	\$2.421	\$1.300	\$1.386					
	ft ² /Ink Set	10,373	4,890	11,553	5,547	10,298	4,855	10,079	4,752					
	Ink Cost/Print	\$10.46	\$13.06	\$9.83	\$12.27	\$10.25	\$12.80	\$8.74	\$10.91	\$14.53	\$14.53			
	Media Cost/Print	\$12.21	\$12.21	\$12.21	\$12.21	\$30.51	\$30.51	\$14.53	\$14.53	\$23.27	\$25.44			
	Total Print Cost	\$22.67	\$25.27	\$22.04	\$24.48	\$40.76	\$43.31	\$23.27	\$25.44					
	Ink Cost/ft ²	\$0.697	\$0.869	\$0.655	\$0.817	\$0.683	\$0.852	\$0.582	\$0.726	\$0.949	\$0.949			
	Media Cost/ft ²	\$0.798	\$0.798	\$0.798	\$0.798	\$1.993	\$1.993	\$0.949	\$0.949	\$1.531	\$1.675			
	Total Cost/ft²	\$1.495	\$1.667	\$1.453	\$1.615	\$2.676	\$2.845	\$1.531	\$1.675					
	ft ² /Ink Set	5,068	2,390	5,393	2,543	5,172	2,439	6,067	2,860					
42"	N5 42"x53" 14.45ft ²	Canon Glossy Photographic Paper 240gsm				Canon Scrim Banner Vinyl				Canon Heavyweight Coated Paper				
		Standard		Economy Mode		Standard		Economy Mode		Standard		Economy Mode		
		700ml	330ml	700ml	330ml	700ml	330ml	700ml	330ml	700ml	330ml	700ml	330ml	
		Ink Cost/Print	\$3.49	\$4.36	\$2.69	\$3.36	\$3.41	\$4.25	\$2.52	\$3.15	\$3.24	\$4.04	\$2.57	\$3.20
		Media Cost/Print	\$7.14	\$7.14	\$7.14	\$7.14	\$25.17	\$25.17	\$25.17	\$25.17	\$3.76	\$3.76	\$3.76	\$3.76
		Total Print Cost	\$10.63	\$11.50	\$9.83	\$10.50	\$28.58	\$29.42	\$27.90	\$28.32	\$7.00	\$7.80	\$6.33	\$6.96
		Ink Cost/ft ²	\$0.233	\$0.290	\$0.179	\$0.224	\$0.227	\$0.283	\$0.168	\$0.210	\$0.216	\$0.269	\$0.171	\$0.213
		Media Cost/ft ²	\$0.466	\$0.466	\$0.466	\$0.466	\$1.644	\$1.644	\$1.644	\$1.644	\$0.246	\$0.246	\$0.246	\$0.246
		Total Cost/ft²	\$0.699	\$0.756	\$0.645	\$0.690	\$1.871	\$1.927	\$1.812	\$1.854	\$0.462	\$0.515	\$0.417	\$0.459
		ft ² /Ink Set	15,204	7,168	19,717	9,295	15,579	7,345	21,032	9,915	16,388	7,726	20,687	9,753
Ink Cost/Print		\$5.21	\$6.51	\$4.79	\$5.98	\$5.51	\$6.87	\$4.54	\$5.67	\$6.14	\$7.66	\$4.92	\$6.14	
Media Cost/Print		\$7.92	\$7.92	\$7.92	\$7.92	\$27.95	\$27.95	\$27.95	\$27.95	\$4.18	\$4.18	\$4.18	\$4.18	
	Total Print Cost	\$13.13	\$14.43	\$12.71	\$13.90	\$33.46	\$34.82	\$32.49	\$33.62	\$10.32	\$11.84	\$9.10	\$10.32	
	Ink Cost/ft ²	\$0.308	\$0.385	\$0.284	\$0.354	\$0.326	\$0.406	\$0.269	\$0.335	\$0.363	\$0.453	\$0.291	\$0.363	
	Media Cost/ft ²	\$0.466	\$0.466	\$0.466	\$0.466	\$1.644	\$1.644	\$1.644	\$1.644	\$0.246	\$0.246	\$0.246	\$0.246	
	Total Cost/ft²	\$0.774	\$0.851	\$0.750	\$0.820	\$1.970	\$2.050	\$1.913	\$1.979	\$0.609	\$0.699	\$0.537	\$0.609	
	ft ² /Ink Set	11,460	5,403	12,465	5,877	10,848	5,114	13,158	6,203	9,733	4,589	12,146	5,726	
	Ink Cost/Print	\$9.50	\$11.85	\$7.48	\$9.34	\$8.66	\$10.80	\$7.35	\$9.18	\$10.67	\$13.32	\$8.24	\$10.28	
	Media Cost/Print	\$7.14	\$7.14	\$7.14	\$7.14	\$25.17	\$25.17	\$25.17	\$25.17	\$3.76	\$3.76	\$3.76	\$3.76	
	Total Print Cost	\$16.64	\$18.99	\$14.62	\$16.48	\$33.83	\$35.97	\$32.52	\$34.35	\$14.43	\$17.08	\$12.00	\$14.04	
	Ink Cost/ft ²	\$0.632	\$0.798	\$0.498	\$0.622	\$0.576	\$0.719	\$0.490	\$0.611	\$0.711	\$0.887	\$0.548	\$0.684	
	Media Cost/ft ²	\$0.466	\$0.466	\$0.466	\$0.466	\$1.644	\$1.644	\$1.644	\$1.644	\$0.246	\$0.246	\$0.246	\$0.246	
	Total Cost/ft²	\$1.098	\$1.255	\$0.964	\$1.088	\$2.220	\$2.363	\$2.134	\$2.255	\$0.957	\$1.133	\$0.794	\$0.930	
	ft ² /Ink Set	5,584	2,633	7,090	3,343	6,126	2,888	7,211	3,400	4,968	2,343	6,439	3,036	

The ink cost analysis is based on ink usage amount reported from the Accounting Manager function of the printer, using the specified type of paper and print mode with the printer driver under conditions stated below. The media cost analysis is based on square footage from the size of the paper using roll feed paper. The total cost stated is a sum of the cost of ink and the media including any waste to print one complete print, and does not include the cost of other customer replaceable items such as a print head, a cutter, and a maintenance cartridge. The ft²/Ink Set represents the average number of prints that can be printed with a set of eight ink cartridges. All cost information has been rounded up, and there are minute discrepancies in the total because of the rounding error. The result of this analysis may not be exact and is not guaranteed, and therefore should only be used as a guide to estimate cost. All prices used in this analysis are based on MSRP in U.S. dollars as of September 2013. This document is created in September 2013, and specifications are subject to change without notice.

Samples are printed under the following conditions: Printer: iPF8400S, Firmware version 1.0, OS: Windows XP SP2, CPU: Pentium 4/3.2GHz, RAM: 1.5GB, Interface: 100 Base-TX, Application: Adobe®Photoshop® CS4, Print Plug-in for Photoshop CS4 (version 5.1), iPF8400S Driver: Windows Driver Ver 4.50 (Media Configuration Tool applied).

Sample images used in this analysis



N5 (N5.tif, ISO-JIS SCID N5 a.k.a. "Bicycle") Output image size: 41.60"x52.00" on 42"x52" paper.



Menu (Menu_01.tif) Output image size: 41.60"x57.20" on 42"x58" paper.



Flower (flower.tif) © David Sparer Output image size: 41.60"x51.87" on 42"x52" paper.

Canon Media Information

Media Name	Item No.	MSRP	Cost/ft ²
Fine Art Media			
Artistic Satin Canvas, 24" x 40ft	1429V467	\$195.85	\$2.45
Artistic Satin Canvas, 36" x 40ft	1429V468	\$293.75	\$2.45
Artistic Satin Canvas, 42" x 40ft	1429V469	\$342.75	\$2.45
Artistic Matte Canvas, 24" x 40ft	2257V778	\$160.85	\$2.01
Artistic Matte Canvas, 36" x 40ft	2257V779	\$245.10	\$2.04
Artistic Matte Canvas, 42" x 40ft	2257V780	\$278.95	\$1.99
Water Resistant Matte Canvas, 24" x 40ft	0849V396	\$104.85	\$1.31
Water Resistant Matte Canvas, 36" x 40ft	0849V397	\$193.10	\$1.61
Fine Art Photo Rag by Hahnemühle (188 gsm) 24" x 39ft	0635V212	\$157.20	\$ 2.02
Fine Art Photo Rag by Hahnemühle (188 gsm) 36" x 39ft	0635V211	\$236.10	\$2.02
Fine Art Photo Rag by Hahnemühle (188 gsm) 44" x 39ft	0635V208	\$307.50	\$2.15
German Etching by Hahnemühle (310 gsm) 24" x 39ft	0850V752	\$155.20	\$1.99
German Etching by Hahnemühle (310 gsm) 36" x 39ft	0850V753	\$232.55	\$1.99
German Etching by Hahnemühle (310 gsm) 44" x 39ft	0850V754	\$311.05	\$2.18
Fine Art Enhanced Velvet (255 gsm), 24" x 33ft	0623V131	\$112.25	\$1.70
Fine Art Enhanced Velvet (255 gsm), 36" x 33ft	0623V132	\$167.45	\$1.69
Fine Art Enhanced Velvet (255 gsm), 44" x 33ft	0623V133	\$204.75	\$1.69
Fine Art Natural (230 gsm), 24" x 50ft	0850V062	\$65.10	\$0.65
Fine Art Natural (230 gsm), 36" x 50ft	0850V063	\$97.75	\$0.65
Fine Art Bright White (230 gsm), 24" x 50ft	0850V068	\$65.10	\$0.65
Fine Art Bright White (230 gsm), 36" x 50ft	0850V069	\$97.75	\$0.65
Fine Art Bright White (330 gsm), 24" x 50ft	0850V074	\$109.25	\$1.09
Fine Art Bright White (330 gsm), 36" x 50ft	0850V075	\$163.75	\$1.09

Coated Paper			
Heavyweight Coated Paper (140gsm), 24" x 130ft	6646A002AA	\$73.85	\$0.28
Heavyweight Coated Paper (140gsm), 36" x 130ft	6646A001AA	\$96.20	\$0.25
Heavyweight Coated Paper (140gsm), 42" x 130ft	6645A001AA	\$119.45	\$0.26
Matte Coated Paper (90 gsm), 24" x 100ft	0849V354	\$31.45	\$0.16
Matte Coated Paper (90 gsm), 36" x 100ft	0849V355	\$43.80	\$0.15
Matte Coated Paper (90 gsm), 42" x 100ft	0849V356	\$51.70	\$0.15
Matte Coated Paper (170 gsm), 24" x 100ft	0849V349	\$40.60	\$0.20
Matte Coated Paper (170 gsm), 36" x 100ft	0849V350	\$55.05	\$0.18
Matte Coated Paper (170 gsm), 42" x 100ft	0849V351	\$75.50	\$0.22
Heavyweight Matte Coated Paper (230gsm), 24" x 100ft	0849V342	\$65.55	\$0.33
Heavyweight Matte Coated Paper (230gsm), 36" x 100ft	0849V343	\$94.60	\$0.32
Heavyweight Matte Coated Paper (230gsm), 42" x 100ft	0849V344	\$111.05	\$0.32

Sign/Banner Media			
Back Print Backlit Film, 24" x 66ft	0850V077	\$137.00	\$1.04
Back Print Backlit Film, 36" x 66ft	0850V078	\$205.50	\$1.04
Back Print Backlit Film, 42" x 66ft	0850V079	\$239.80	\$1.04
Durable Matte Polypropylene Banner, 24" x 100ft	0834V777	\$88.50	\$0.44
Durable Matte Polypropylene Banner, 36" x 100ft	0834V778	\$132.80	\$0.44
Durable Matte Polypropylene Banner, 42" x 100ft	0834V779	\$154.90	\$0.44
Durable Backlit Film, 24" x 100ft	0834V786	\$203.05	\$1.02
Durable Backlit Film, 36" x 100ft	0834V787	\$304.60	\$1.06
Durable Backlit Film, 42" x 100ft	0834V788	\$355.35	\$1.06
Adhesive Matte Vinyl, 24" x 66ft	0546V845	\$162.25	\$1.23
Adhesive Matte Vinyl, 36" x 66ft	0546V881	\$243.50	\$1.23
Adhesive Matte Vinyl, 42" x 66ft	0546V882	\$284.10	\$1.23
Scrim Banner Vinyl, 24" x 40ft	1290V133	\$140.70	\$1.76
Scrim Banner Vinyl, 36" x 40ft	1290V134	\$211.10	\$1.76
Scrim Banner Vinyl, 42" x 40ft	1290V135	\$246.25	\$1.76

Media Name	Item No.	MSRP	Cost/ft ²
Photographic Paper			
Satin Photo Paper (170 gsm), 24" x 100ft	2047V122	\$81.00	\$0.41
Satin Photo Paper (170 gsm), 36" x 100ft	2047V123	\$110.25	\$0.37
Satin Photo Paper (170 gsm), 42" x 100ft	2047V124	\$134.25	\$0.38
Satin Photo Paper (200 gsm), 24" x 100ft	2047V135	\$96.50	\$0.48
Satin Photo Paper (200 gsm), 36" x 100ft	2047V136	\$132.50	\$0.44
Satin Photo Paper (200 gsm), 42" x 100ft	2047V137	\$161.25	\$0.46
Satin Photo Paper (240 gsm), 24" x 100ft	2047V145	\$112.00	\$0.56
Satin Photo Paper (240 gsm), 36" x 100ft	2047V146	\$167.25	\$0.56
Satin Photo Paper (240 gsm), 42" x 100ft	2047V147	\$184.00	\$0.53
Glossy Photo Paper (170 gsm), 24" x 100ft	2047V119	\$81.00	\$0.41
Glossy Photo Paper (170 gsm), 36" x 100ft	2047V120	\$110.25	\$0.37
Glossy Photo Paper (170 gsm), 42" x 100ft	2047V120	\$134.25	\$0.38
Glossy Photo Paper (200 gsm), 24" x 100ft	2047V128	\$96.50	\$0.48
Glossy Photo Paper (200 gsm), 36" x 100ft	2047V129	\$132.50	\$0.44
Glossy Photo Paper (200 gsm), 42" x 100ft	2047V130	\$161.25	\$0.46
Glossy Photo Paper (240 gsm), 24" x 100ft	2047V140	\$112.00	\$0.56
Glossy Photo Paper (240 gsm), 36" x 100ft	2047V141	\$167.25	\$0.56
Glossy Photo Paper (240 gsm), 42" x 100ft	2047V142	\$184.00	\$0.53
Premium Glossy Photo Paper 2 (280 gsm), 24" x 100ft	2941B018AA	\$170.15	\$0.85
Premium Glossy Photo Paper 2 (280 gsm), 36" x 100ft	2941B019AA	\$245.05	\$0.82
Premium Glossy Photo Paper 2 (280 gsm), 42" x 100ft	2941B020AA	\$298.55	\$0.85
Premium Semi-Glossy Photo Paper 2 (280 gsm), 24" x 100ft	2942B017AA	\$170.15	\$0.85
Premium Semi-Glossy Photo Paper 2 (280 gsm), 36" x 100ft	2942B018AA	\$245.05	\$0.82
Premium Semi-Glossy Photo Paper 2 (280 gsm), 42" x 100ft	2942B019AA	\$298.55	\$0.85
Premium RC Photo Luster 24" x 100ft	1100V103	\$144.50	\$0.72
Premium RC Photo Luster 36" x 100ft	1100V104	\$199.85	\$0.67
Premium RC Photo Luster 42" x 100ft	1100V105	\$239.75	\$0.69
Premium RC Photo Matte 24" x 100ft	0420V865	\$127.60	\$0.64
Premium RC Photo Matte 36" x 100ft	0420V866	\$181.65	\$0.61
Premium RC Photo Matte 42" x 100ft	0420V867	\$237.55	\$0.68

Ink Cartridge Information

Ink Cartridge	Item No.	MSRP	Cost/ml
PFI-306MBK - Matte Black Ink Tank (330ml)	6656B001AA	\$173.00	\$0.524
PFI-306BK - Black Ink Tank (330ml)	6657B001AA	\$173.00	\$0.524
PFI-306C - Cyan Ink Tank (330ml)	6658B001AA	\$173.00	\$0.524
PFI-306M - Magenta Ink Tank (330ml)	6659B001AA	\$173.00	\$0.524
PFI-306Y - Yellow Ink Tank (330ml)	6660B001AA	\$173.00	\$0.524
PFI-306PC - Photo Cyan Ink Tank (330ml)	6661B001AA	\$173.00	\$0.524
PFI-306PM - Photo Magenta Ink Tank (330ml)	6662B001AA	\$173.00	\$0.524
PFI-306GY - Gray Ink Tank (330ml)	6666B001AA	\$173.00	\$0.524
PFI-706MBK - Matte Black Ink Tank (700ml)	6680B001AA	\$294.00	\$0.420
PFI-706BK - Black Ink Tank (700ml)	6681B001AA	\$294.00	\$0.420
PFI-706C - Cyan Ink Tank (700ml)	6682B001AA	\$294.00	\$0.420
PFI-706M - Magenta Ink Tank (700ml)	6683B001AA	\$294.00	\$0.420
PFI-706Y - Yellow Ink Tank (700ml)	6684B001AA	\$294.00	\$0.420
PFI-706PC - Photo Cyan Ink Tank (700ml)	6685B001AA	\$294.00	\$0.420
PFI-706PM - Photo Magenta Ink Tank (700ml)	6686B001AA	\$294.00	\$0.420
PFI-706GY - Gray Ink Tank (700ml)	6690B001AA	\$294.00	\$0.420