



**Cost of Ink Per Page Analysis  
Mexico**

**August 2011**

Includes ink cartridge pricing provided by



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## Summary and Scope of Analysis

For more than 25 years, QualityLogic Inc. has been a premier developer and provider of essential testing solutions to companies that design, build, or purchase printers and printing technology. Our products and services help our customers understand how the products they make or buy conform to specifications, or compare to reference implementations or competing products. We are active members of international standards organizations including ISO and Ecma International, and provide testing assistance to leading technology publications who publish printer reviews.

At the request of Eastman Kodak Company, QualityLogic calculated and compared the Cost of Ink Per Page (CoIPP) of the Kodak of All-in-One Printers to 22 competing printers selected by Kodak. Kodak's intent was to select printers with significant market share from leading manufacturers.

Monochrome and color cartridge yields for all printers were determined following ISO yield standards, and photo yields were determined using QualityLogic's photo yield methodology\*.

Ink prices for printers in the test were provided to QualityLogic by gap intelligence\*\*, a premier global provider of market intelligence. gap intelligence provided the manufacturer's suggested retail price (MSRP) for each of the cartridges in the test based on information collected through Q1 2011. If the cartridge price wasn't available on the manufacturer's website, gap intelligence provided an average of three reseller street prices.

For this report, complete sets of standard as-shipped-in-box cartridges or the standard-yield ink cartridges were evaluated for the purpose of making like-basis comparisons between all printers. For the printer where a complete set of standard cartridges was not available, a complete set of high-yield cartridges was evaluated. Ink cost comparisons are made using single quantity cartridge pricing (i.e., no multi-packs, combo packs, value packs or special promotions.)

Although there are many factors in total cost of ownership, Cost of Ink Per Page (CoIPP) is an important factor when evaluating total cost of ownership with printer systems.

Cost of Ink Per Page was calculated by dividing these cartridge prices by the yield of each cartridge in the test.

\* All references of 'photo' in this report refer to 4x6 inch (approximately 10 x 15 cm) borderless photos, printed on manufacturer's best available photo paper.

\*\* gap intelligence believes that the list pricing information provided is accurate; however, it is not responsible for any errors, inaccuracies, or variances caused by changes made outside of its defined survey period (Q1 2011).

The following printers and corresponding ink cartridges were included in this Cost of Ink Per Page analysis:

<b>Company</b>	<b>Printer</b>	<b>Cartridges</b>
Kodak	ESP Office 2170 ESP 5250 ESP 6150 ESP 7250 ESP 9250 ESP C110 ESP C310 ESP C315	Black Ink 30, Color Ink 30 Black Ink 10B, Color Ink 10C Black Ink 10B, Color Ink 10C Black Ink 10B, Color Ink 10C Black Ink 10B, Color Ink 10C Black Ink 30, Color Ink 30 Black Ink 30, Color Ink 30 Black Ink 30, Color Ink 30
Brother	MFC-5490cn MFC-J410W	LC61BK, LC61C, LC61M, LC61Y LC61BK, LC61C, LC61M, LC61Y
Canon	PIXMA MG5120  PIXMA MG6120  PIXMA MP470 PIXMA MP510 PIXMA MP620  PIXMA MX330 PIXMA MX700 PIXMA MX860	PGI-225 PGBK, CLI-226C, CLI-226M, CLI-226Y, CLI-226BK PGI-225 PGBK, CLI-226C, CLI-226M, CLI-226Y, CLI-226BK, CLI-226GY PG-40, CL-41 PGI-5, CLI-8C, CLI-8M, CLI-8Y PGI-220BK, CLI-221C, CLI-221M, CLI-221Y, CLI-221BK PG-210, CL-211 PGI-5, CLI-8C, CLI-8M, CLI-8Y PGI-220BK, CLI-221C, CLI-221M, CLI-221Y, CLI-221BK
Epson	Stylus CX8300 TX600FW	T0731, T0732, T0733, T0734 T1031, T1032, T1033, T1034
Hewlett-Packard	Deskjet 1055 Deskjet 3050 Deskjet F4580 Officejet 6500  Officejet J4680 Photosmart Plus e-AIO - B210A Photosmart C4780 Photosmart Premium	HP 61 <sup>1</sup> - CH561WN, CH562WN HP 61 <sup>1</sup> - CH561WN, CH562WN HP 60 <sup>2</sup> - CC640WN, CC643WN HP920XL <sup>3</sup> - CD975AE, CD972AE, CD973AE, CD974AE HP 901 <sup>4</sup> - CC653AN, CC656AN HP 564 <sup>2</sup> - CB316WN, CB318WN, CB319WN, CB320WN HP60 <sup>2</sup> - CC640WN, CC643WN HP 564 <sup>2</sup> - CB316WN, CB318WN, CB319WN, CB320WN, CB317WN
Lexmark	Prevail Pro705 X5470	100 Black, Cyan, Magenta, Yellow 32, 33

<sup>1</sup> Cartridges tested were US spec cartridges with WN designations. Pricing for these cartridges was supplied from Mexico for cartridges with HL designations.

<sup>2</sup> Cartridges tested were US spec cartridges with WN designations. Pricing for these cartridges was supplied from Mexico for cartridges with WL designations.

<sup>3</sup> Only XL cartridges are available in Mexico for cyan, magenta and yellow. For consistency, tested with an XL black as well. Cartridges tested were EU spec cartridges with AE designations. Pricing for these cartridges was supplied from Mexico for cartridges with AL designations.

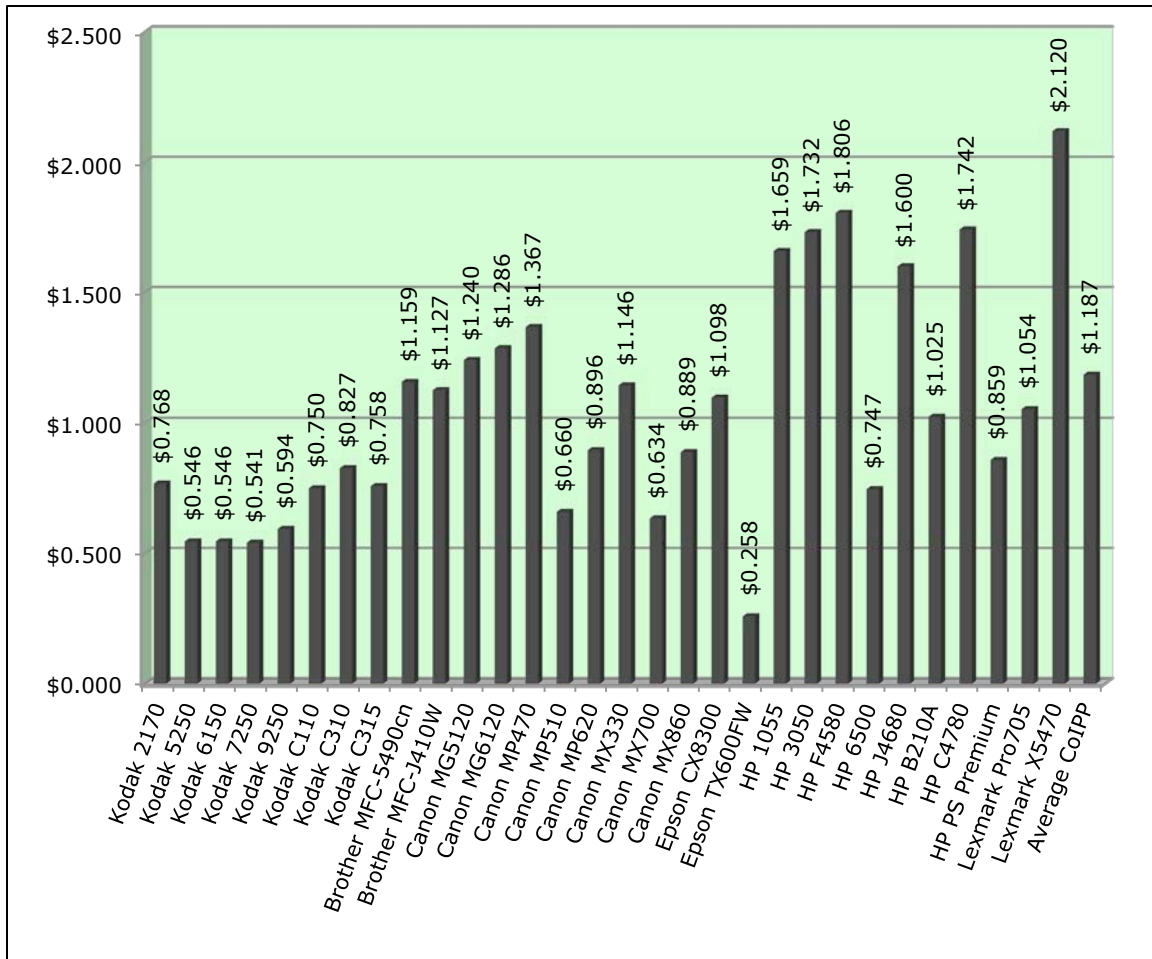
<sup>4</sup> Cartridges tested were US spec cartridges with AN designations. Pricing for these cartridges was supplied from Mexico for cartridges with AL designations.

## Cost of Ink Per Page

The following charts summarize the Cost of Ink Per Page for the printers tested using cartridge prices from Mexico. There are three charts presented: separate charts for monochrome, color and photo printing. Details of how these costs were calculated can be found in the "Methodology for Calculation of Cost of Ink Per Page" following these graphs.

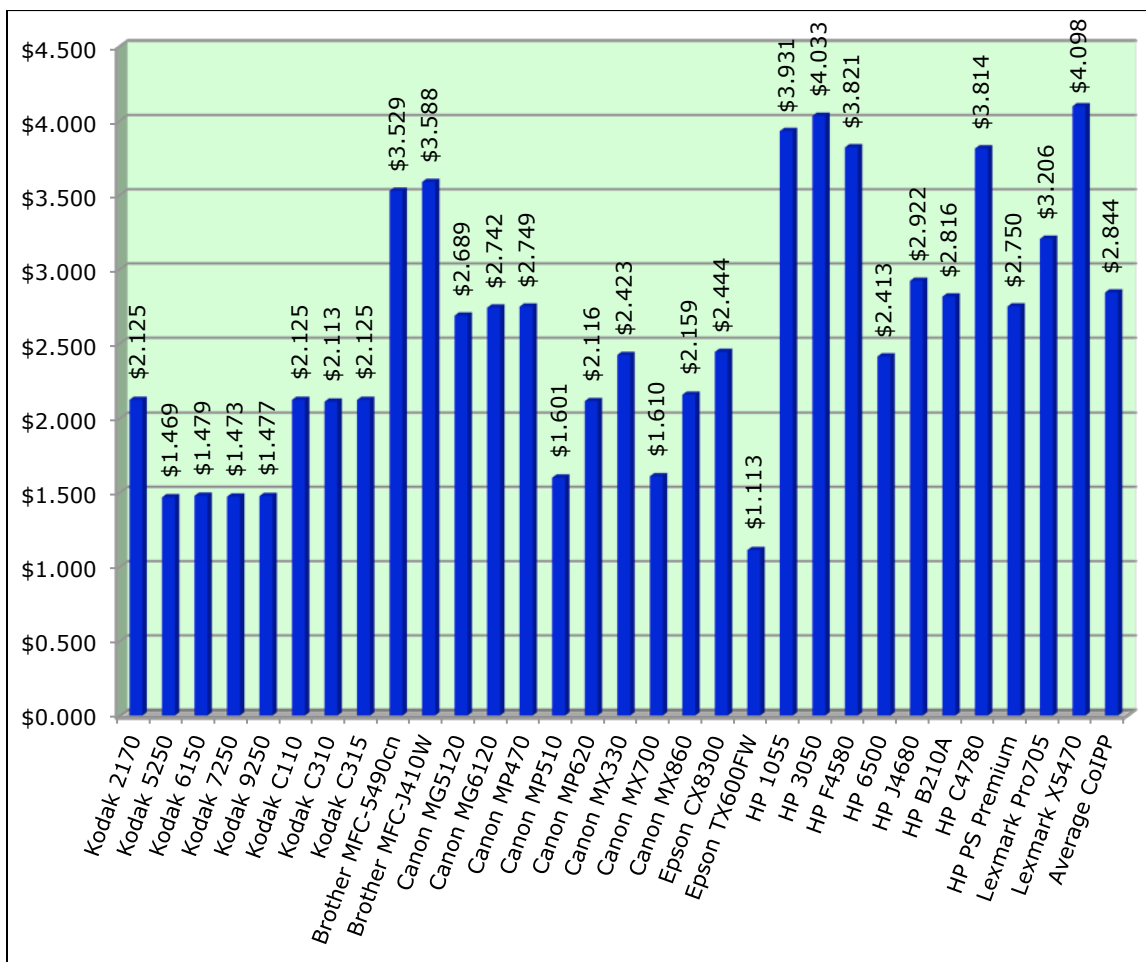
### Mexico: Mono - Cost of Ink Per Page

(Mexican Pesos)



Note: Average CoIPP (Cost of Ink Per Page) is based on the average cost of ink for all non-Kodak printer models included in this report.

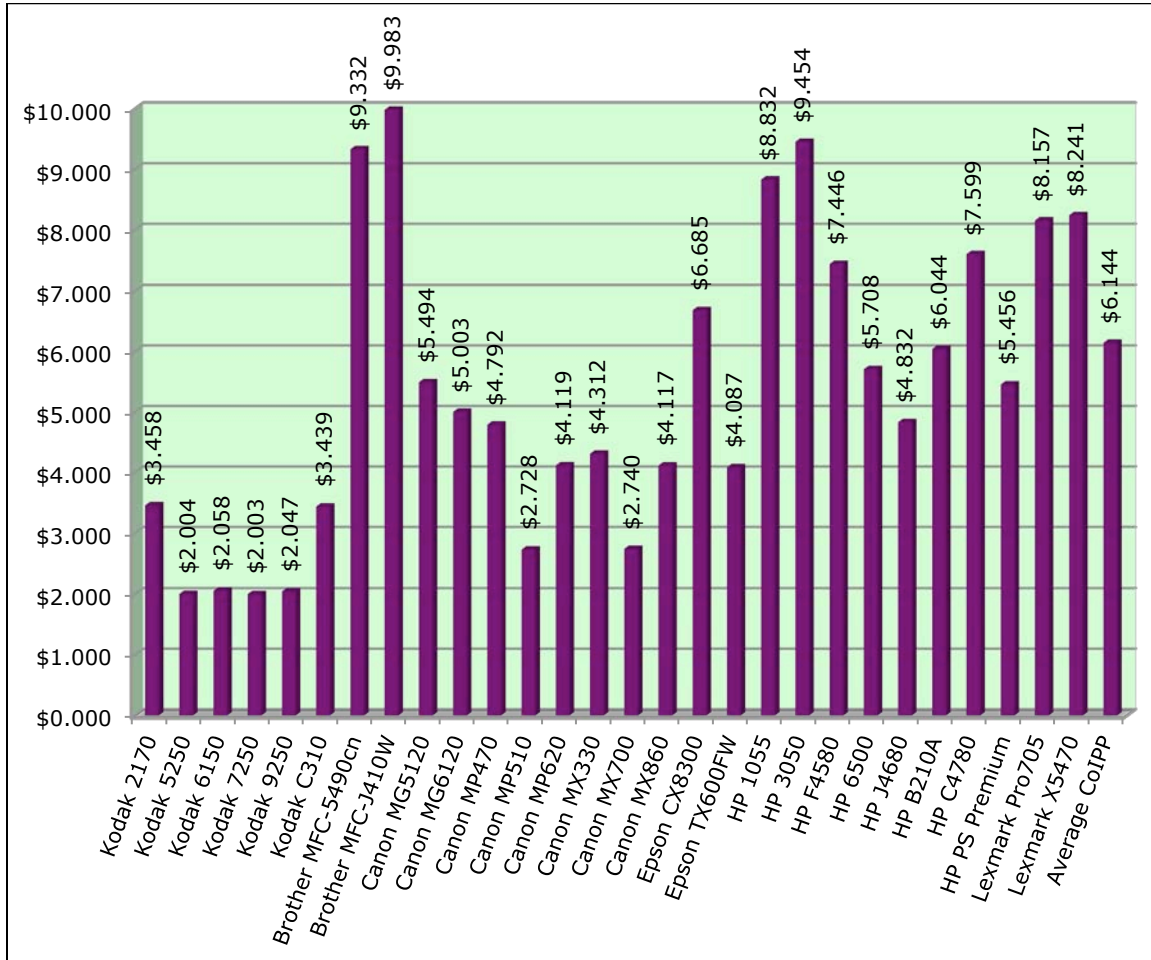
## Mexico: Color - Cost of Ink Per Page (Mexican Pesos)



Note: Average CoIPP (Cost of Ink Per Page) is based on the average cost of ink for all non-Kodak printer models included in this report.

Test results and cost information provided by QualityLogic. Tests were performed under laboratory conditions and end-user's results may vary. Test results, ink cartridge pricing and cost per page pricing subject to change without notice by QualityLogic. All test results and cost information are provided "as-is," "as available," and all warranties, expressed or implied, are hereby disclaimed. Users of the information contained herein assume full responsibility and risk of loss resulting from usage thereof.

## Mexico: Photo - Cost of Ink Per Page (Mexican Pesos)



Note: Average CoIPP (Cost of Ink Per Page) is based on the average cost of ink for all non-Kodak printer models included in this report.

\*No photo tests were performed for the Kodak ESP C110 and C315 printers.

## Methodology for Calculation of Cost of Ink Per Page

The following is a step-by-step outline of how QualityLogic, using standardized yield testing methodologies and standard pricing information provided by gap intelligence, executed this 'Cost of Ink Per Page' test for Kodak.

### **A. QualityLogic Yield Declarations**

Yield testing is a process by which the target printers are operated with their ink or toner cartridges to deplete the amount of ink/toner, and then pages printed are counted to determine the number of pages each cartridge yields. The requirements and operating conditions of such testing are determined by a standard set of testing criteria that will provide an objective and repeatable result.

QualityLogic is a leader worldwide in providing yield testing services. We support and follow the ISO (International Standards Organization) standards for mono and color testing. Use of the ISO standards for yield testing is also supported by leading manufacturers, including Canon, Dell, Epson, HP, IBM, Kodak, Lexmark, Oki Data, Pitney Bowes, Ricoh, Toshiba, Xerox, and others.

The photo yield testing included in this report was completed using the QualityLogic photo yield methodology. ISO announced the release of the new ISO/IEC 29102 photo yield standard as this report was being finalized. Kodak and QualityLogic are evaluating the new ISO standard for use with future testing.

Key provisions of these standards include:

- Standard test suites
- Minimum of nine cartridges across three printers representative of products in open market
- Clear, objective end-of-life criteria
- Controlled test environment – temperature, continuous printing
- Yield reporting requirement well defined

The following pages contain tables that relate to yield testing results. The tables show the number of pages per cartridge that can be expected with 90 percent confidence based on our testing. Numbers in black indicate primary cartridges – any cartridge where a minimum of nine cartridges across three printers could be exhausted. Supplemental cartridges are indicated by red numbers and represent those cartridges that are secondary to the purpose of the test. Although supplemental cartridges are not the key focus in

the tests as shown, they are included in the test reports to ensure we get a complete understanding of the ink being used.

Generally, the 'primary' cartridges for each category of testing are:

- Mono ink – the black cartridge
- Color ink – all full density cartridges containing cyan, magenta, yellow and black
- Photo ink – color cartridges or others where nine cartridges were exhausted

QualityLogic performed yield tests and provided yield test reports for all cartridges for models listed below. Each table has abbreviated sub-headings that represent the specific ink cartridge types as follows:

CMY = A single cartridge containing cyan, magenta and yellow  
C = Cyan  
M = Magenta  
Y = Yellow  
K1 = Black  
K2 = A second black cartridge  
LC = Light or photo cyan  
LM = Light or photo magenta  
GY = Grey

These yield numbers apply to printers included in this analysis. Yields of primary and supplemental cartridges are reported, and the details of these results can be found in Appendix B.

	Mono Ink Yield								
	CMY	C	M	Y	K1	K2	LC	LM	GY
Kodak 2170	2150				356				
Kodak 5250	3514				440				
Kodak 6150	3511				440				
Kodak 7250	3546				444				
Kodak 9250	2338				439				
Kodak C110	2321				360				
Kodak C310	1725				344				
Kodak C315	2243				358				
Brother MFC-5490cn		7056	8572	7709	568				
Brother MFC-J410W		9773	14357	12024	564				
Canon MG5120		3387	3803	5115	340	7775			
Canon MG6120		3246	3627	4349	355	7042			4423
Canon MP470	2588				358				
Canon MP510		6680	6360	8584	521				
Canon MP620		3228	3498	4551	366	6866			
Canon MX330	2738				286				
Canon MX700		7768	7161	9551	533				
Canon MX860		3421	3703	4984	360	7966			
Epson CX8300		1465	2114	2312	247				
Epson TX600FW		11163	15778	11149	1130				
HP 1055	1907				199				
HP 3050	1522				196				
HP F4580	1160				194				
HP 6500		5264	5992	6726	1126				
HP J4680	2458				203				
HP B210A		2099	2437	2682	277				
HP C4780	1178				202				
HP PS Premium		2513	2924	3239	344	6593			
Lexmark Pro705		2826	2903	2906	260				
Lexmark X5470	2504				287				

Note: Kodak's 10C color cartridge includes black and protective inks.

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	Color Ink Yield								
	CMY	C	M	Y	K1	K2	LC	LM	GY
Kodak 2170	290				221				
Kodak 5250	427				285				
Kodak 6150	424				283				
Kodak 7250	426				284				
Kodak 9250	425				283				
Kodak C110	290				221				
Kodak C310	292				222				
Kodak C315	290				221				
Brother MFC-5490cn		448	360	326	521				
Brother MFC-J410W		437	375	294	532				
Canon MG5120		552	518	538	324	4574			
Canon MG6120		550	543	530	338	4172			2797
Canon MP470	333				346				
Canon MP510		874	713	666	490				
Canon MP620		565	539	546	344	5141			
Canon MX330	265				288				
Canon MX700		873	676	691	488				
Canon MX860		564	522	553	329	5054			
Epson CX8300		390	289	411	245				
Epson TX600FW		970	672	1043	1050				
HP 1055	160				188				
HP 3050	151				193				
HP F4580	157				197				
HP 6500		528	532	506	1089				
HP J4680	342				199				
HP B210A		261	262	260	284				
HP C4780	158				196				
HP PS Premium		278	278	278	298	1894			
Lexmark Pro705		286	237	269	239				
Lexmark X5470	272				274				

Note: Kodak's 10C color cartridge includes black and protective inks.

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	Photo Ink Yield								
	CMY	C	M	Y	K1	K2	LC	LM	GY
Kodak 2170	104				743				
Kodak 5250	179				1197				
Kodak 6150	173				1275				
Kodak 7250	179				1205				
Kodak 9250	176				1117				
Kodak C310	104				795				
Brother MFC-5490cn		88	110	91	24117				
Brother MFC-J410W		81	105	86	8727				
Canon MG5120		176	189	192	929	546			
Canon MG6120		290	337	308	1863	645			181
Canon MP470	113				1637				
Canon MP510		354	252	269	2979				
Canon MP620		201	217	213	1952	610			
Canon MX330	92				1336				
Canon MX700		348	248	276	2809				
Canon MX860		198	217	220	1796	600			
Epson CX8300		85	86	114	468				
Epson TX600FW		223	194	259	380				
HP 1055	44				1902				
HP 3050	41				2085				
HP F4580	51				1512				
HP 6500		148	206	159	7487				
HP J4680	110				1772				
HP B210A		84	105	84	1473				
HP C4780	50				1451				
HP PS Premium		97	185	132	1999	147			
Lexmark Pro705		67	80	87	584				
Lexmark X5470	71				4378				

Note: Kodak's 10C color cartridge includes black and protective inks.

\*No photo tests were performed for the Kodak ESP C110 and C315 printers.

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## B. Ink Cartridge Pricing

Cartridge prices used in this Cost of Ink Per Page analysis were researched and provided to QualityLogic by gap intelligence as of Q1 2011. gap intelligence's methodology for data collection used the manufacturer's website for Mexico. For this report, complete sets of standard as-shipped-in-box cartridges or the standard-yield ink cartridges were evaluated for the purpose of making like-basis comparisons between all printers. Ink cost comparisons are made using single quantity cartridge pricing (i.e., no multi-packs, combo packs, value packs or special promotions.) Below is the summary of the ink cartridges and their individual prices.

	Ink Cartridge Pricing								
	CMY	C	M	Y	K1	K2	LC	LM	GY
Kodak 2170	\$329.00				\$219.00				
Kodak 5250	\$329.00				\$199.00				
Kodak 6150	\$329.00				\$199.00				
Kodak 7250	\$329.00				\$199.00				
Kodak 9250	\$329.00				\$199.00				
Kodak C110	\$329.00				\$219.00				
Kodak C310	\$329.00				\$219.00				
Kodak C315	\$329.00				\$219.00				
Brother MFC-5490cn		\$296.00	\$296.00	\$296.00	\$593.00				
Brother MFC-J410W		\$296.00	\$296.00	\$296.00	\$593.00				
Canon MG5120		\$294.27	\$278.29	\$278.29	\$335.92	\$293.85			
Canon MG6120		\$294.27	\$278.29	\$278.29	\$335.92	\$293.85			\$293.85
Canon MP470	\$512.61				\$418.59				
Canon MP510		\$259.10	\$250.54	\$243.53	\$288.11				
Canon MP620		\$240.35	\$256.12	\$256.12	\$239.83	\$255.07			
Canon MX330	\$376.82				\$288.39				
Canon MX700		\$259.10	\$250.54	\$243.53	\$288.11				
Canon MX860		\$240.35	\$256.12	\$256.12	\$239.83	\$255.07			
Epson CX8300		\$194.88	\$194.88	\$194.88	\$194.88				
Epson TX600FW		\$259.90	\$259.90	\$259.90	\$219.90				
HP 1055	\$381.90				\$290.32				
HP 3050	\$381.90				\$290.32				
HP F4580	\$370.02				\$288.44				
HP 6500		\$304.73	\$304.73	\$330.96	\$663.06				
HP J4680	\$514.00				\$282.45				
HP B210A		\$179.48	\$179.48	\$172.01	\$222.12				
HP C4780	\$370.02				\$288.44				
HP PS Premium		\$179.48	\$179.48	\$172.01	\$222.12	\$179.48			
Lexmark Pro705		\$199.90	\$199.90	\$199.90	\$219.90				
Lexmark X5470	\$576.32				\$542.37				

Mexican Pesos

Source: gap intelligence

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### C. Cost of Ink Per Page – Per Cartridge

QualityLogic calculated the Cost of Ink Per Page per cartridge by dividing the price of each cartridge (as defined by the gap intelligence localized cartridge price, noted above in Section B) by the yield for each cartridge in each model (as defined above in Section A). This calculation results in the Cost of Ink Per Page per cartridge for each test mode: mono, color and photo.

$$\frac{\text{Price per cartridge}}{\text{Ink yield (in number of pages/photos)}} = \text{Cost of Ink Per Page – per cartridge}$$

#### Mono Cost of Ink Per Individual Cartridge per Page (Mexican Pesos)

	Mono Ink Cost								
	CMY	C	M	Y	K1	K2	LC	LM	GY
Kodak 2170	\$0.153				\$0.615				
Kodak 5250	\$0.094				\$0.452				
Kodak 6150	\$0.094				\$0.452				
Kodak 7250	\$0.093				\$0.448				
Kodak 9250	\$0.141				\$0.453				
Kodak C110	\$0.142				\$0.608				
Kodak C310	\$0.191				\$0.637				
Kodak C315	\$0.147				\$0.612				
Brother MFC-5490cn		\$0.042	\$0.035	\$0.038	\$1.044				
Brother MFC-J410W		\$0.030	\$0.021	\$0.025	\$1.051				
Canon MG5120		\$0.087	\$0.073	\$0.054	\$0.988	\$0.038			
Canon MG6120		\$0.091	\$0.077	\$0.064	\$0.946	\$0.042			\$0.066
Canon MP470	\$0.198				\$1.169				
Canon MP510		\$0.039	\$0.039	\$0.028	\$0.553				
Canon MP620		\$0.074	\$0.073	\$0.056	\$0.655	\$0.037			
Canon MX330	\$0.138				\$1.008				
Canon MX700		\$0.033	\$0.035	\$0.025	\$0.541				
Canon MX860		\$0.070	\$0.069	\$0.051	\$0.666	\$0.032			
Epson CX8300		\$0.133	\$0.092	\$0.084	\$0.789				
Epson TX600FW		\$0.023	\$0.016	\$0.023	\$0.195				
HP 1055	\$0.200				\$1.459				
HP 3050	\$0.251				\$1.481				
HP F4580	\$0.319				\$1.487				
HP 6500		\$0.058	\$0.051	\$0.049	\$0.589				
HP J4680	\$0.209				\$1.391				
HP B210A		\$0.086	\$0.074	\$0.064	\$0.802				
HP C4780	\$0.314				\$1.428				
HP PS Premium		\$0.071	\$0.061	\$0.053	\$0.646	\$0.027			
Lexmark Pro705		\$0.071	\$0.069	\$0.069	\$0.846				
Lexmark X5470	\$0.230				\$1.890				

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**Color Cost of Ink Per Individual Cartridge per Page**  
(Mexican Pesos)

	Color Ink Cost								
	CMY	C	M	Y	K1	K2	LC	LM	GY
Kodak 2170	\$1.134				\$0.991				
Kodak 5250	\$0.770				\$0.698				
Kodak 6150	\$0.776				\$0.703				
Kodak 7250	\$0.772				\$0.701				
Kodak 9250	\$0.774				\$0.703				
Kodak C110	\$1.134				\$0.991				
Kodak C310	\$1.127				\$0.986				
Kodak C315	\$1.134				\$0.991				
Brother MFC-5490cn		\$0.661	\$0.822	\$0.908	\$1.138				
Brother MFC-J410W		\$0.677	\$0.789	\$1.007	\$1.115				
Canon MG5120		\$0.533	\$0.537	\$0.517	\$1.037	\$0.064			
Canon MG6120		\$0.535	\$0.513	\$0.525	\$0.994	\$0.070			\$0.105
Canon MP470	\$1.539				\$1.210				
Canon MP510		\$0.296	\$0.351	\$0.366	\$0.588				
Canon MP620		\$0.425	\$0.475	\$0.469	\$0.697	\$0.050			
Canon MX330	\$1.422				\$1.001				
Canon MX700		\$0.297	\$0.371	\$0.352	\$0.590				
Canon MX860		\$0.426	\$0.491	\$0.463	\$0.729	\$0.050			
Epson CX8300		\$0.500	\$0.674	\$0.474	\$0.795				
Epson TX600FW		\$0.268	\$0.387	\$0.249	\$0.209				
HP 1055	\$2.387				\$1.544				
HP 3050	\$2.529				\$1.504				
HP F4580	\$2.357				\$1.464				
HP 6500		\$0.577	\$0.573	\$0.654	\$0.609				
HP J4680	\$1.503				\$1.419				
HP B210A		\$0.688	\$0.685	\$0.662	\$0.782				
HP C4780	\$2.342				\$1.472				
HP PS Premium		\$0.646	\$0.646	\$0.619	\$0.745	\$0.095			
Lexmark Pro705		\$0.699	\$0.843	\$0.743	\$0.920				
Lexmark X5470	\$2.119				\$1.979				

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**Photo Cost of Ink Per Individual Cartridge per Page**  
(Mexican Pesos)

	Photo Ink Cost								
	CMY	C	M	Y	K1	K2	LC	LM	GY
Kodak 2170	\$3.163				\$0.295				
Kodak 5250	\$1.838				\$0.166				
Kodak 6150	\$1.902				\$0.156				
Kodak 7250	\$1.838				\$0.165				
Kodak 9250	\$1.869				\$0.178				
Kodak C310	\$3.163				\$0.275				
Brother MFC-5490cn		\$3.364	\$2.691	\$3.253	\$0.025				
Brother MFC-J410W		\$3.654	\$2.819	\$3.442	\$0.068				
Canon MG5120		\$1.672	\$1.472	\$1.449	\$0.362	\$0.538			
Canon MG6120		\$1.015	\$0.826	\$0.904	\$0.180	\$0.456			\$1.623
Canon MP470	\$4.536				\$0.256				
Canon MP510		\$0.732	\$0.994	\$0.905	\$0.097				
Canon MP620		\$1.196	\$1.180	\$1.202	\$0.123	\$0.418			
Canon MX330	\$4.096				\$0.216				
Canon MX700		\$0.745	\$1.010	\$0.882	\$0.103				
Canon MX860		\$1.214	\$1.180	\$1.164	\$0.134	\$0.425			
Epson CX8300		\$2.293	\$2.266	\$1.709	\$0.416				
Epson TX600FW		\$1.165	\$1.340	\$1.003	\$0.579				
HP 1055	\$8.679				\$0.153				
HP 3050	\$9.315				\$0.139				
HP F4580	\$7.255				\$0.191				
HP 6500		\$2.059	\$1.479	\$2.081	\$0.089				
HP J4680	\$4.673				\$0.159				
HP B210A		\$2.137	\$1.709	\$2.048	\$0.151				
HP C4780	\$7.400				\$0.199				
HP PS Premium		\$1.850	\$0.970	\$1.303	\$0.111	\$1.221			
Lexmark Pro705		\$2.984	\$2.499	\$2.298	\$0.377				
Lexmark X5470	\$8.117				\$0.124				

\*No photo tests were performed for the Kodak ESP C110 and C315 printers.

Test results and cost information provided by QualityLogic. Tests were performed under laboratory conditions and end-user's results may vary. Test results, ink cartridge pricing and cost per page pricing subject to change without notice by QualityLogic. All test results and cost information are provided "as-is," "as available," and all warranties, expressed or implied, are hereby disclaimed. Users of the information contained herein assume full responsibility and risk of loss resulting from usage thereof.

## D. Cost of Ink Per Page

Cost of Ink Per Page for each printer is calculated by summing the Cost of Ink Per Page per cartridge for each cartridge tested in a given printer model (as determined above in Section C).

$$\text{Cost of Ink Per Page} = \text{CMY} + \text{C} + \text{M} + \text{Y} + \text{K1} + \text{K2} + \text{LC} + \text{LM} + \text{GY}$$

The Cost of Ink Per Page per printer is reflected below. Note that, due to rounding, the total CoIPP may not match the individual ink cartridge costs.

**Mono Cost of Ink Per Individual Cartridge and Total Cost of Ink Per Page**  
(Mexican Pesos)

	Mono Ink Cost									Mono CoIPP
	CMY	C	M	Y	K1	K2	LC	LM	GY	
Kodak 2170	\$0.153				\$0.615					\$0.768
Kodak 5250	\$0.094				\$0.452					\$0.546
Kodak 6150	\$0.094				\$0.452					\$0.546
Kodak 7250	\$0.093				\$0.448					\$0.541
Kodak 9250	\$0.141				\$0.453					\$0.594
Kodak C110	\$0.142				\$0.608					\$0.750
Kodak C310	\$0.191				\$0.637					\$0.827
Kodak C315	\$0.147				\$0.612					\$0.758
Brother MFC-5490cn		\$0.042	\$0.035	\$0.038	\$1.044					\$1.159
Brother MFC-J410W		\$0.030	\$0.021	\$0.025	\$1.051					\$1.127
Canon MG5120		\$0.087	\$0.073	\$0.054	\$0.988	\$0.038				\$1.240
Canon MG6120		\$0.091	\$0.077	\$0.064	\$0.946	\$0.042			\$0.066	\$1.286
Canon MP470	\$0.198				\$1.169					\$1.367
Canon MP510		\$0.039	\$0.039	\$0.028	\$0.553					\$0.660
Canon MP620		\$0.074	\$0.073	\$0.056	\$0.655	\$0.037				\$0.896
Canon MX330	\$0.138				\$1.008					\$1.146
Canon MX700		\$0.033	\$0.035	\$0.025	\$0.541					\$0.634
Canon MX860		\$0.070	\$0.069	\$0.051	\$0.666	\$0.032				\$0.889
Epson CX8300		\$0.133	\$0.092	\$0.084	\$0.789					\$1.098
Epson TX600FW		\$0.023	\$0.016	\$0.023	\$0.195					\$0.258
HP 1055	\$0.200				\$1.459					\$1.659
HP 3050	\$0.251				\$1.481					\$1.732
HP F4580	\$0.319				\$1.487					\$1.806
HP 6500		\$0.058	\$0.051	\$0.049	\$0.589					\$0.747
HP J4680	\$0.209				\$1.391					\$1.600
HP B210A		\$0.086	\$0.074	\$0.064	\$0.802					\$1.025
HP C4780	\$0.314				\$1.428					\$1.742
HP PS Premium		\$0.071	\$0.061	\$0.053	\$0.646	\$0.027				\$0.859
Lexmark Pro705		\$0.071	\$0.069	\$0.069	\$0.846					\$1.054
Lexmark X5470	\$0.230				\$1.890					\$2.120

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**Color Cost of Ink Per Individual Cartridge and Total Cost of Ink Per Page**  
(Mexican Pesos)

	Color Ink Cost									Color CoIPP
	CMY	C	M	Y	K1	K2	LC	LM	GY	
Kodak 2170	\$1.134				\$0.991					\$2.125
Kodak 5250	\$0.770				\$0.698					\$1.469
Kodak 6150	\$0.776				\$0.703					\$1.479
Kodak 7250	\$0.772				\$0.701					\$1.473
Kodak 9250	\$0.774				\$0.703					\$1.477
Kodak C110	\$1.134				\$0.991					\$2.125
Kodak C310	\$1.127				\$0.986					\$2.113
Kodak C315	\$1.134				\$0.991					\$2.125
Brother MFC-5490cn		\$0.661	\$0.822	\$0.908	\$1.138					\$3.529
Brother MFC-J410W		\$0.677	\$0.789	\$1.007	\$1.115					\$3.588
Canon MG5120		\$0.533	\$0.537	\$0.517	\$1.037	\$0.064				\$2.689
Canon MG6120		\$0.535	\$0.513	\$0.525	\$0.994	\$0.070			\$0.105	\$2.742
Canon MP470	\$1.539				\$1.210					\$2.749
Canon MP510		\$0.296	\$0.351	\$0.366	\$0.588					\$1.601
Canon MP620		\$0.425	\$0.475	\$0.469	\$0.697	\$0.050				\$2.116
Canon MX330	\$1.422				\$1.001					\$2.423
Canon MX700		\$0.297	\$0.371	\$0.352	\$0.590					\$1.610
Canon MX860		\$0.426	\$0.491	\$0.463	\$0.729	\$0.050				\$2.159
Epson CX8300		\$0.500	\$0.674	\$0.474	\$0.795					\$2.444
Epson TX600FW		\$0.268	\$0.387	\$0.249	\$0.209					\$1.113
HP 1055	\$2.387				\$1.544					\$3.931
HP 3050	\$2.529				\$1.504					\$4.033
HP F4580	\$2.357				\$1.464					\$3.821
HP 6500		\$0.577	\$0.573	\$0.654	\$0.609					\$2.413
HP J4680	\$1.503				\$1.419					\$2.922
HP B210A		\$0.688	\$0.685	\$0.662	\$0.782					\$2.816
HP C4780	\$2.342				\$1.472					\$3.814
HP PS Premium		\$0.646	\$0.646	\$0.619	\$0.745	\$0.095				\$2.750
Lexmark Pro705		\$0.699	\$0.843	\$0.743	\$0.920					\$3.206
Lexmark X5470	\$2.119				\$1.979					\$4.098

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**Photo Cost of Ink Per Individual Cartridge and Total Cost of Ink Per Page**  
(Mexican Pesos)

	Photo Ink Cost									Photo CoIPP
	CMY	C	M	Y	K1	K2	LC	LM	GY	
Kodak 2170	\$3.163				\$0.295					\$3.458
Kodak 5250	\$1.838				\$0.166					\$2.004
Kodak 6150	\$1.902				\$0.156					\$2.058
Kodak 7250	\$1.838				\$0.165					\$2.003
Kodak 9250	\$1.869				\$0.178					\$2.047
Kodak C310	\$3.163				\$0.275					\$3.439
Brother MFC-5490cn		\$3.364	\$2.691	\$3.253	\$0.025					\$9.332
Brother MFC-J410W		\$3.654	\$2.819	\$3.442	\$0.068					\$9.983
Canon MG5120		\$1.672	\$1.472	\$1.449	\$0.362	\$0.538				\$5.494
Canon MG6120		\$1.015	\$0.826	\$0.904	\$0.180	\$0.456			\$1.623	\$5.003
Canon MP470	\$4.536				\$0.256					\$4.792
Canon MP510		\$0.732	\$0.994	\$0.905	\$0.097					\$2.728
Canon MP620		\$1.196	\$1.180	\$1.202	\$0.123	\$0.418				\$4.119
Canon MX330	\$4.096				\$0.216					\$4.312
Canon MX700		\$0.745	\$1.010	\$0.882	\$0.103					\$2.740
Canon MX860		\$1.214	\$1.180	\$1.164	\$0.134	\$0.425				\$4.117
Epson CX8300		\$2.293	\$2.266	\$1.709	\$0.416					\$6.685
Epson TX600FW		\$1.165	\$1.340	\$1.003	\$0.579					\$4.087
HP 1055	\$8.679				\$0.153					\$8.832
HP 3050	\$9.315				\$0.139					\$9.454
HP F4580	\$7.255				\$0.191					\$7.446
HP 6500		\$2.059	\$1.479	\$2.081	\$0.089					\$5.708
HP J4680	\$4.673				\$0.159					\$4.832
HP B210A		\$2.137	\$1.709	\$2.048	\$0.151					\$6.044
HP C4780	\$7.400				\$0.199					\$7.599
HP PS Premium		\$1.850	\$0.970	\$1.303	\$0.111	\$1.221				\$5.456
Lexmark Pro705		\$2.984	\$2.499	\$2.298	\$0.377					\$8.157
Lexmark X5470	\$8.117				\$0.124					\$8.241

\*No photo tests were performed for the Kodak ESP C110 and C315 printers.

Test results and cost information provided by QualityLogic. Tests were performed under laboratory conditions and end-user's results may vary. Test results, ink cartridge pricing and cost per page pricing subject to change without notice by QualityLogic. All test results and cost information are provided "as-is," "as available," and all warranties, expressed or implied, are hereby disclaimed. Users of the information contained herein assume full responsibility and risk of loss resulting from usage thereof.

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### **gap intelligence - Company Overview**

gap intelligence is a global leader in providing timely, actionable competitive intelligence solutions to help manufacturers in the digital imaging space stay ahead of the competition. gap intelligence printer hardware and supplies databases are updated on a weekly basis with street pricing and promotional data. Dedicated industry analysts publish insightful, analytical reports and tools to help clients make smarter decisions and respond to market changes faster.

## Appendix A: Test Methodology Summary

In order to obtain these yield results, three different methodologies were used in combination with three test suites. This section will detail the common areas between the methodologies, the differences between them, and highlight some key terms from ISO/IEC 24711, 24712, and 19752 that are particularly important to understand when reviewing these yield claims.

### Common Methodology and Definitions

Number of Printers Tested	Minimum of three
Number of Cartridges Tested	Minimum of nine of each primary cartridge
Temperature	Testing room average 23.0°C ± 2°C with all running average temperatures between 20.0°C and 26.0°C
Fade	Phenomenon in which a significant reduction in uniformity occurs due to ink depletion
Ink Out	Signal generated by the printing system when the usable ink in the system is depleted and the printer stops printing
End of Life (EOL)	A condition determined by one of two mechanisms: fade or ink out (only if ink out stops printing)
Semi-Continuous Printing	Printing in a continuous manner, pausing only for intra-job servicing, printer calibrations, paper changes, breaks, and end of work days
Declared Cartridge Yield	Cartridge Yield (in pages) that is at or below the lower 90% confidence bound of the average yield
Estimated Supplemental Cartridge Yield	Estimated yield for a supplemental cartridge (real or estimated with use of a proxy) calculated with at least three cartridges
Average Supplemental Cartridge Yield	Average yield for a supplemental cartridge where EOL was reached on at least nine cartridges (three per printer)
Proxy Cartridge	A primary cartridge of the same physical size as a supplemental cartridge which had a starting weight within +/- 10% of the supplemental cartridge starting weight

**Mono Ink Methodology and Definitions –  
In accordance with ISO/IEC 24711, ISO/IEC 19752**

Test Suite	ISO/IEC 19752
Driver Set-up	See Color Ink Methodology. In addition, if a "Black Only" or "Text Only" mode was available in the driver, it was enabled
Paper	A4 or 8 ½" x 11" (see individual test reports)
Semi-Continuous Printing	Each copy of the test suite was printed as a separate one-page print job allowing for some intra-job servicing and calibration to take place
Primary Cartridge	The black cartridge or, if no black cartridge was present, the color cartridges that were used to develop composite black
Supplemental Cartridge	Any installed cartridge except the full density black cartridge, including the full density cyan, magenta, and yellow cartridges, as well as any photo cartridges
Individual Cartridge Yield	The number of test pages printed between cartridge installation and end of life

**Color Ink Methodology and Definitions –  
In accordance with ISO/IEC 24711, ISO/IEC 24712**

Test Suite	ISO/IEC 24712
Driver Set-up	All image and print quality modifiers were set to their factory pre-set configuration for the printer and default installed condition for the driver. If auto media detection was available on the printer, it was disabled and media-type set to plain paper
Paper	A4 or 8 ½" by 11" (see individual test reports)
Semi-Continuous Printing	Each copy of the test suite was printed as a separate five-page print job allowing for some intra-job servicing and calibration to take place
Primary Cartridge	Cartridge containing full density black, cyan, magenta, or yellow, or a combination of full density cyan, magenta and yellow
Supplemental Cartridge	Cartridge other than the full density cyan, magenta, yellow and black cartridges
Individual Cartridge Yield	Value determined by counting the number of diagnostic pages (last page of the test page suite) printed between cartridge installation and end of life, and multiplying by five

**Photo Ink Methodology and Definitions –  
In accordance with QualityLogic Color Photo Cartridge Yield Test  
Methodology**

Test Suite	QualityLogic Color Photo Suite
Driver Set-up	The highest print quality mode readily available in the driver
Paper	The best photo paper recommended by each manufacturer. A4 or 8 ½" x 11" papers were used to print a borderless 4" x 6" (approximately 10 x 15 cm) photo. (See individual test reports)
Semi-Continuous Printing	Each copy of the test suite was printed as a separate 10-page print job allowing for some intra-job servicing and calibration to take place
Primary Cartridge	Cyan, magenta, yellow and photo cartridges or any cartridges containing these colors were considered as primary cartridges. In addition, any other cartridge that exhausted nine or more cartridges during the execution of nine of the above cartridges was considered as primary
Supplemental Cartridge	Any cartridge installed in the printer while printing photos that did not meet the definition of a primary cartridge was considered a supplemental cartridge
Individual Cartridge Yield	The number of test pages printed between cartridge installation and end of life

## Appendix B: QualityLogic Declared Yield Test Results

The following data was extracted from the Yield Reports for each product tested – complete reports are available upon request.

Printer Identifier	Kodak ESP Office 2170
Printer Manufacturer	Kodak
Cartridge Identifier	Black 30, Color 30
Cartridge Type	Separate ink supply and print head
Date Tested	8/3/11 – 8/8/11
EOL Criteria	This printer has Ink Out which stops printing. Whichever came first, either Ink Out or Fade, was used as the EOL criteria.
Print mode used	Continuous
Paper Size	Letter
Media used	Xerox Business 4200, 92 Brightness 20lb. weight
Driver version	Driver version = 03/01/2011,6.2.5.20 The following driver settings were changed from default: Color Test: Paper type = Changed to Plain Paper from Auto Select. Mono Test: Paper type = Changed to Plain Paper from Auto Select. Color Printing = Changed to Black and White from Color.

### Declaration of Yield

Inkjet Cartridge Yield when tested in Kodak ESP Office 2170:
Using the test suite defined in ISO/IEC 24712 provides the following results: Average K (Black) Cartridge Yield – Up to 221 standard pages Average Color Cartridge Yield – Up to 290 standard pages
Using the test page defined in ISO/IEC 19752 provides the following results: Average K (Black) Cartridge Yield – Up to 356 standard pages Estimated supplemental Color Cartridge Yield – Up to 2,150 standard pages
Values obtained by continuous printing. Declared yield values in accordance with ISO/IEC 24711

Using 24712 Test Suite						
Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
Kodak Black 30	K (Black)	227	9	221	9/15	Primary
Kodak Color 30	Color	292	3	290	9/12	Primary

Using 19752 Test Page						
Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
Kodak Black 30	K (Black)	358	5	356	18/18	Primary
Kodak Color 30	Color	2,150	-	2,150	3/3	Supplemental

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<b>Printer Identifier</b>	<b>Kodak ESP Office 2170</b>
Printer Manufacturer	Kodak
Cartridge Identifier	Black 30, Color 30
Cartridge Type	Separate ink supply and print head
Date Tested	8/8/11 – 8/9/11
EOL Criteria	This printer has Ink Out which stops printing. Whichever came first, either Ink Out or Fade, was used as the EOL criteria.
Print mode used	Continuous
Paper Size	4" x 6" borderless photo on 8 ½" x 11" photo paper
Media used	Kodak Ultra Premium Photo Paper, High Gloss
Driver version	Driver version = 03/01/2011,6.2.5.20 The following driver settings were changed from default: Paper type = Changed to KODAK ULTRA Premium Photo - High Gloss from Auto Select.

## Declaration of Yield

<p><b>Inkjet Cartridge Yield when tested in Kodak ESP Office 2170:</b></p> <p>Using the QualityLogic Color Photo test suite provides the following results:  Average Color Cartridge Yield – Up to 104 standard pages  Estimated supplemental K (Black) Cartridge Yield – Up to 743 standard pages</p> <p>Values obtained by continuous printing. Declared yield values in accordance with QualityLogic Color Photo Yield Test Methodology</p>
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Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
Kodak Color 30	Color	105	2	104	9/9	Primary
Kodak Black 30	K (Black)	926	109	743	3/3	Supplemental

Test results and cost information provided by QualityLogic. Tests were performed under laboratory conditions and end-user's results may vary. Test results, ink cartridge pricing and cost per page pricing subject to change without notice by QualityLogic. All test results and cost information are provided "as-is," "as available," and all warranties, expressed or implied, are hereby disclaimed. Users of the information contained herein assume full responsibility and risk of loss resulting from usage thereof.

<b>Printer Identifier</b>	<b>Kodak ESP 5250</b>
Printer Manufacturer	Kodak
Cartridge Identifier	Black Ink Cartridge 10B & Color Ink Cartridge 10C
Cartridge Type	Separate ink supply and print head
Date Tested	2/11/2011 – 3/15/2011
EOL Criteria	This printer has Ink Out which stops printing. Whichever came first, either Ink Out or Fade, was used as the EOL criteria.
Print mode used	Continuous
Paper Size	Letter
Media used	Xerox Business 4200, 92 Brightness 20lb. weight
Driver version	DriverVer=09/02/2010,5.4.6.3 The following driver settings were changed from default: Color Ink Test: Paper type = Changed to Plain Paper from Auto Select. Mono Test Settings: Paper type = Changed to Plain Paper from Auto Select. Color Printing = Changed to Black and White from Color.

## Declaration of Yield

<p><b>Inkjet Cartridge Yield when tested in Kodak ESP 5250:</b></p> <p>Using the test suite defined in ISO/IEC 24712 provides the following results:  Average K (Black) Cartridge Yield – Up to 285 standard pages  Average Color Cartridge Yield – Up to 427 standard pages</p> <p>Using the test page defined in ISO/IEC 19752 provides the following results:  Average K (Black) Cartridge Yield – Up to 440 standard pages  Estimated supplemental Color Cartridge Yield – Up to 3,514 standard pages</p> <p>Values obtained by continuous printing. Declared yield values in accordance with ISO/IEC 24711</p>
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Using 24712 Test Suite						
Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
10B	K (Black)	286	2	285	12/15	Primary
10C	Color	428	3	427	9/9	Primary

Using 19752 Test Page						
Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
10B	K (Black)	441	2	440	24/24	Primary
10C	Color	3,526	7	3,514	3/3	Supplemental

Test results and cost information provided by QualityLogic. Tests were performed under laboratory conditions and end-user's results may vary. Test results, ink cartridge pricing and cost per page pricing subject to change without notice by QualityLogic. All test results and cost information are provided "as-is," "as available," and all warranties, expressed or implied, are hereby disclaimed. Users of the information contained herein assume full responsibility and risk of loss resulting from usage thereof.

<b>Printer Identifier</b>	<b>Kodak ESP 5250</b>
Printer Manufacturer	Kodak
Cartridge Identifier	Black Ink Cartridge 10B & Color Ink Cartridge 10C
Cartridge Type	Separate ink supply and print head
Date Tested	3/16/2011 – 3/17/2011
EOL Criteria	This printer has Ink Out which stops printing. Whichever came first, either Ink Out or Fade, was used as the EOL criteria.
Print mode used	Continuous
Paper Size	4" x 6" borderless photo on 8 1/2" x 11" photo paper
Media used	Kodak Ultra Premium Photo Paper, High Gloss
Driver version	DriverVer=09/02/2010,5.4.6.3 The following driver settings were changed from default: Paper type = Changed to KODAK ULTRA Premium Photo- High Gloss from Plain Paper.

## Declaration of Yield

<p><b>Inkjet Cartridge Yield when tested in Kodak ESP 5250:</b></p> <p>Using the QualityLogic Color Photo test suite provides the following results:  Average Color Cartridge Yield – Up to 179 standard pages  Estimated Supplemental K (Black) Cartridge Yield – Up to 1,197 standard pages</p> <p>Values obtained by continuous printing. Declared yield values in accordance with QualityLogic Color Photo Yield Test Methodology</p>
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Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
10C	Color	179	1	179	9/9	Primary
10B	K (Black)	1,274	46	1,197	3/3	Supplemental

Test results and cost information provided by QualityLogic. Tests were performed under laboratory conditions and end-user's results may vary. Test results, ink cartridge pricing and cost per page pricing subject to change without notice by QualityLogic. All test results and cost information are provided "as-is," "as available," and all warranties, expressed or implied, are hereby disclaimed. Users of the information contained herein assume full responsibility and risk of loss resulting from usage thereof.

<b>Printer Identifier</b>	<b>Kodak ESP 6150</b>
Printer Manufacturer	Kodak
Cartridge Identifier	Black Ink Cartridge 10B & Color Ink Cartridge 10C
Cartridge Type	Separate ink supply and print head
Date Tested	5/4/2010 – 5/19/2010
EOL Criteria	This printer has Ink Out which stops printing. Whichever came first, either Ink Out or Fade, was used as the EOL criteria.
Print mode used	Continuous
Paper Size	Letter
Media used	Xerox Business 4200, 92 Brightness 20lb. weight
Driver version	Driver Version = 5.1.6.0 The following driver settings were changed from default: Color Ink Test: Paper type = Changed to Plain Paper from Auto Select Mono Ink Test: Paper type = Changed to Plain Paper from Auto Select Color printing = Changed to Black and White from Color

## Declaration of Yield

<p><b>Inkjet Cartridge Yield when tested in Kodak ESP 6150:</b></p> <p>Using the test suite defined in ISO/IEC 24712 provides the following results:  Average K (Black) Cartridge Yield – Up to 283 standard pages  Average Color Cartridge Yield – Up to 424 standard pages</p> <p>Using the test page defined in ISO/IEC 19752 provides the following results:  Average K (Black) Cartridge Yield – Up to 440 standard pages  Estimated supplemental Color Cartridge Yield – Up to 3,511 standard pages</p> <p>Values obtained by continuous printing. Declared yield values in accordance with ISO/IEC 24711</p>
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Using 24712 Test Suite						
Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
10B	K (Black)	285	3	283	12/17	Primary
10C	Color	427	4	424	9/11	Primary

Using 19752 Test Page						
Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
10B	K (Black)	441	2	440	24/24	Primary
10C	Color	3,526	9	3,511	3/3	Supplemental

Test results and cost information provided by QualityLogic. Tests were performed under laboratory conditions and end-user's results may vary. Test results, ink cartridge pricing and cost per page pricing subject to change without notice by QualityLogic. All test results and cost information are provided "as-is," "as available," and all warranties, expressed or implied, are hereby disclaimed. Users of the information contained herein assume full responsibility and risk of loss resulting from usage thereof.

<b>Printer Identifier</b>	<b>Kodak ESP 6150</b>
Printer Manufacturer	Kodak
Cartridge Identifier	Black Ink Cartridge 10B & Color Ink Cartridge 10C
Cartridge Type	Separate ink supply and print head
Date Tested	5/21/2010 – 5/24/2010
EOL Criteria	This printer has Ink Out which stops printing. Whichever came first, either Ink Out or Fade, was used as the EOL criteria.
Print mode used	Continuous
Paper Size	4" x 6" borderless photo on 8 1/2" x 11" photo paper
Media used	Kodak Ultra Premium Photo Paper, High Gloss
Driver version	Driver Version = 5.1.6.0 The following driver settings were changed from default: Paper type = Changed to KODAK ULTRA Premium Photo – High Gloss from Auto Select

## Declaration of Yield

<p><b>Inkjet Cartridge Yield when tested in Kodak ESP 6150:</b></p> <p>Using the QualityLogic Color Photo test suite provides the following results:  Average Color Cartridge Yield – Up to 173 standard pages  Estimated supplemental K (Black) Cartridge Yield – Up to 1,275 standard pages</p> <p>Values obtained by continuous printing. Declared yield values in accordance with QualityLogic Color Photo Yield Test Methodology</p>
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Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
10C	Color	176	5	173	9/9	Primary
10B	K (Black)	1,310	21	1,275	3/3	Supplemental

<b>Printer Identifier</b>	<b>Kodak ESP 7250</b>
Printer Manufacturer	Kodak
Cartridge Identifier	Black Ink Cartridge 10B & Color Ink Cartridge 10C
Cartridge Type	Separate ink supply and print head
Date Tested	4/1/2010 – 4/13/2010
EOL Criteria	This printer has Ink Out which stops printing. Whichever came first, either Ink Out or Fade, was used as the EOL criteria.
Print mode used	Continuous
Paper Size	Letter
Media used	Xerox Business 4200, 92 Brightness 20lb. weight
Driver version	Driver Version = 5.1.6.0 The following driver settings were changed from default: Color Ink Test: Paper type = Changed to Plain Paper from Auto Select Mono Ink Test: Paper type = Changed to Plain Paper from Auto Select Color Printing = Changed to Black and White from Color

## Declaration of Yield

<p><b>Inkjet Cartridge Yield when tested in Kodak ESP 7250:</b></p> <p>Using the test suite defined in ISO/IEC 24712 provides the following results:  Average K (Black) Cartridge Yield – Up to 284 standard pages  Average Color Cartridge Yield – Up to 426 standard pages</p> <p>Using the test page defined in ISO/IEC 19752 provides the following results:  Average K (Black) Cartridge Yield – Up to 444 standard pages  Estimated supplemental Color Cartridge Yield – Up to 3,546 standard pages</p> <p>Values obtained by continuous printing. Declared yield values in accordance with ISO/IEC 24711</p>
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Using 24712 Test Suite						
Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
10B	K (Black)	285	1	284	12/18	Primary
10C	Color	428	3	426	9/12	Primary

Using 19752 Test Page						
Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
10B	K (Black)	445	2	444	24/24	Primary
10C	Color	3,556	6	3,546	3/3	Supplemental

Test results and cost information provided by QualityLogic. Tests were performed under laboratory conditions and end-user's results may vary. Test results, ink cartridge pricing and cost per page pricing subject to change without notice by QualityLogic. All test results and cost information are provided "as-is," "as available," and all warranties, expressed or implied, are hereby disclaimed. Users of the information contained herein assume full responsibility and risk of loss resulting from usage thereof.

<b>Printer Identifier</b>	<b>Kodak ESP 7250</b>
Printer Manufacturer	Kodak
Cartridge Identifier	Black Ink Cartridge 10B & Color Ink Cartridge 10C
Cartridge Type	Separate ink supply and print head
Date Tested	4/5/2010 – 4/6/2010
EOL Criteria	This printer has Ink Out which stops printing. Whichever came first, either Ink Out or Fade, was used as the EOL criteria.
Print mode used	Continuous
Paper Size	4" x 6" borderless photo on 8 1/2" x 11" photo paper
Media used	Kodak Ultra Premium Photo Paper, High Gloss
Driver version	Driver Version = 5.1.6.0 The following driver settings were changed from default: Paper type = Changed to KODAK ULTRA Premium Photo – High Gloss from Auto Select

## Declaration of Yield

<p><b>Inkjet Cartridge Yield when tested in Kodak ESP 7250:</b></p> <p>Using the QualityLogic Color Photo test suite provides the following results:  Average Color Cartridge Yield – Up to 179 standard pages  Estimated supplemental K (Black) Cartridge Yield – Up to 1,205 standard pages</p> <p>Values obtained by continuous printing. Declared yield values in accordance with QualityLogic Color Photo Yield Test Methodology</p>
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Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
10C	Color	180	1	179	9/9	Primary
10B	K (Black)	1,256	31	1,205	3/3	Supplemental

<b>Printer Identifier</b>	<b>Kodak ESP 9250</b>
Printer Manufacturer	Kodak
Cartridge Identifier	Black Ink Cartridge 10B & Color Ink Cartridge 10C
Cartridge Type	Separate ink supply and print head
Date Tested	11/17/2010 – 11/22/2010; 2/17/2011 – 2/18/2011
EOL Criteria	This printer has Ink Out which stops printing. Whichever came first, either Ink Out or Fade, was used as the EOL criteria.
Print mode used	Continuous
Paper Size	Letter
Media used	Xerox Business 4200, 92 Brightness 20lb. weight
Driver version	Driver version = 09/02/2010,5.4.6.3 The following driver settings were changed from default: Color Test: Paper type = Changed to Plain Paper from Auto Select. Mono Test: Paper type = Changed to Plain Paper from Auto Select. Color Printing = Changed to Black and White from Color.

## Declaration of Yield

<p><b>Inkjet Cartridge Yield when tested in Kodak ESP 9250:</b></p> <p>Using the test suite defined in ISO/IEC 24712 provides the following results:  Average K (Black) Cartridge Yield – Up to 283 standard pages  Average Color Cartridge Yield – Up to 425 standard pages</p> <p>Using the test page defined in ISO/IEC 19752 provides the following results:  Average K (Black) Cartridge Yield – Up to 439 standard pages  Estimated supplemental Color Cartridge Yield – Up to 2,338 standard pages</p> <p>Values obtained by continuous printing. Declared yield values in accordance with ISO/IEC 24711</p>
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Using 24712 Test Suite						
Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
10B	K (Black)	284	2	283	12/15	Primary
10C	Color	427	3	425	9/9	Primary

Using 19752 Test Page						
Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
10B	K (Black)	440	2	439	15/18	Primary
10C	Color	2,450	66	2,338	3/3	Supplemental

Test results and cost information provided by QualityLogic. Tests were performed under laboratory conditions and end-user's results may vary. Test results, ink cartridge pricing and cost per page pricing subject to change without notice by QualityLogic. All test results and cost information are provided "as-is," "as available," and all warranties, expressed or implied, are hereby disclaimed. Users of the information contained herein assume full responsibility and risk of loss resulting from usage thereof.

<b>Printer Identifier</b>	<b>Kodak ESP 9250</b>
Printer Manufacturer	Kodak
Cartridge Identifier	Black Ink Cartridge 10B & Color Ink Cartridge 10C
Cartridge Type	Separate ink supply and print head
Date Tested	11/22/2010 – 11/24/2010
EOL Criteria	This printer has Ink Out which stops printing. Whichever came first, either Ink Out or Fade, was used as the EOL criteria.
Print mode used	Continuous
Paper Size	4" x 6" borderless photo on 8 1/2" x 11" photo paper
Media used	Kodak Ultra Premium Photo Paper, High Gloss
Driver version	Driver version = 09/02/2010,5.4.6.3 The following driver settings were changed from default: Paper type = Changed to KODAK ULTRA Premium Photo – High Gloss from Auto Select

## Declaration of Yield

<p><b>Inkjet Cartridge Yield when tested in Kodak ESP 9250:</b></p> <p>Using the QualityLogic Color Photo test suite provides the following results:  Average Color Cartridge Yield – Up to 176 standard pages  Estimated supplemental K (Black) Cartridge Yield – Up to 1,117 standard pages</p> <p>Values obtained by continuous printing. Declared yield values in accordance with QualityLogic Color Photo Yield Test Methodology</p>
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Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
10C	Color	177	2	176	9/12	Primary
10B	K (Black)	1,152	21	1,117	3/6	Supplemental

<b>Printer Identifier</b>	<b>Kodak ESP C110</b>
Printer Manufacturer	Kodak
Cartridge Identifier	Black 30, Color 30
Cartridge Type	Separate ink supply and print head
Date Tested	7/8/11 – 7/14/11
EOL Criteria	This printer has Ink Out which stops printing. Whichever came first, either Ink Out or Fade, was used as the EOL criteria.
Print mode used	Continuous
Paper Size	Letter
Media used	Xerox Business 4200, 92 Brightness 20lb. weight
Driver version	Driver version = 03/01/2011,6.2.5.20 The following driver settings were changed from default: Color Test: Paper type = Changed to Plain Paper from Auto Select. Mono Test: Paper type = Changed to Plain Paper from Auto Select. Color printing = Changed to Black and White from Color.

## Declaration of Yield

<p><b>Inkjet Cartridge Yield when tested in Kodak ESP C110:</b></p> <p>Using the test suite defined in ISO/IEC 24712 provides the following results:  Average K (Black) Cartridge Yield – Up to 221 standard pages  Average Color Cartridge Yield – Up to 290 standard pages</p> <p>Using the test page defined in ISO/IEC 19752 provides the following results:  Average K (Black) Cartridge Yield – Up to 360 standard pages  Estimated supplemental Color Cartridge Yield – Up to 2,321 standard pages</p> <p>Values obtained by continuous printing. Declared yield values in accordance with ISO/IEC 24711</p>
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Using 24712 Test Suite						
Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
Kodak Black 30	K (Black)	227	9	221	9/15	Primary
Kodak Color 30	Color	292	3	290	9/12	Primary

Using 19752 Test Page						
Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
Kodak Black 30	K (Black)	360	2	360	18/21	Primary
Kodak Color 30	Color	2,331	6	2,321	3/3	Supplemental

<b>Printer Identifier</b>	<b>Kodak ESP C310</b>
Printer Manufacturer	Kodak
Cartridge Identifier	30 Black, 30 Color
Cartridge Type	Separate ink supply and print head
Date Tested	3/29/2011 – 4/1/2011
EOL Criteria	This printer has Ink Out which stops printing. Whichever came first, either Ink Out or Fade, was used as the EOL criteria.
Print mode used	Continuous
Paper Size	Letter
Media used	Xerox Business 4200, 92 Brightness 20lb. weight
Driver version	Driver Version = 03/01/2011,6.2.5.20 The following driver settings were changed from default: Color Test: Paper type = Changed to Plain Paper from Auto Select. Mono Test: Paper type = Changed to Plain Paper from Auto Select. Color printing = Changed to Black and White from Color.

## Declaration of Yield

<p><b>Inkjet Cartridge Yield when tested in Kodak ESP C310:</b></p> <p>Using the test suite defined in ISO/IEC 24712 provides the following results:  Average K (Black) Cartridge Yield – Up to 222 standard pages  Average Color Cartridge Yield – Up to 292 standard pages</p> <p>Using the test page defined in ISO/IEC 19752 provides the following results:  Average K (Black) Cartridge Yield – Up to 344 standard pages  Estimated supplemental Color Cartridge Yield – Up to 1,725 standard pages</p> <p>Values obtained by continuous printing. Declared yield values in accordance with ISO/IEC 24711</p>
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Using 24712 Test Suite						
Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
Kodak Black 30	K (Black)	227	8	222	9/15	Primary
Kodak Color 30	Color	293	3	292	9/12	Primary

Using 19752 Test Page						
Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
Kodak Black 30	K (Black)	353	19	344	16/19	Primary
Kodak Color 30	Color	2,119	233	1,725	3/3	Supplemental

Test results and cost information provided by QualityLogic. Tests were performed under laboratory conditions and end-user's results may vary. Test results, ink cartridge pricing and cost per page pricing subject to change without notice by QualityLogic. All test results and cost information are provided "as-is," "as available," and all warranties, expressed or implied, are hereby disclaimed. Users of the information contained herein assume full responsibility and risk of loss resulting from usage thereof.

<b>Printer Identifier</b>	<b>Kodak ESP C310</b>
Printer Manufacturer	Kodak
Cartridge Identifier	30 Black, 30 Color
Cartridge Type	Separate ink supply and print head
Date Tested	4/4/2011 – 4/4/2011
EOL Criteria	This printer has Ink Out which stops printing. Whichever came first, either Ink Out or Fade, was used as the EOL criteria.
Print mode used	Continuous
Paper Size	4" x 6" borderless photo on 8 ½" x 11" photo paper
Media used	Kodak Ultra Premium Photo Paper, High Gloss
Driver version	Driver Version = 03/01/2011,6.2.5.20 The following driver settings were changed from default: Paper type = Changed to KODAK ULTRA Premium Photo- High Gloss

## Declaration of Yield

<p><b>Inkjet Cartridge Yield when tested in Kodak ESP C310:</b></p> <p>Using the QualityLogic Color Photo test suite provides the following results:  Average Color Cartridge Yield – Up to 104 standard pages  Estimated supplemental K (Black) Cartridge Yield – Up to 795 standard pages</p> <p>Values obtained by continuous printing. Declared yield values in accordance with QualityLogic Color Photo Yield Test Methodology</p>
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Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
Kodak Color 30	Color	104	-	104	9/9	Primary
Kodak Black 30	K (Black)	842	27	795	3/3	Supplemental

Test results and cost information provided by QualityLogic. Tests were performed under laboratory conditions and end-user's results may vary. Test results, ink cartridge pricing and cost per page pricing subject to change without notice by QualityLogic. All test results and cost information are provided "as-is," "as available," and all warranties, expressed or implied, are hereby disclaimed. Users of the information contained herein assume full responsibility and risk of loss resulting from usage thereof.

<b>Printer Identifier</b>	<b>Kodak ESP C315</b>
Printer Manufacturer	Kodak
Cartridge Identifier	30 Black, 30 Color
Cartridge Type	Separate ink supply and print head
Date Tested	7/19/11 – 7/25/11
EOL Criteria	This printer has Ink Out which stops printing. Whichever came first, either Ink Out or Fade, was used as the EOL criteria.
Print mode used	Continuous
Paper Size	A4
Media used	Hammermill Fore Multi-Purpose, 96 Brightness 20lb. weight
Driver version	Driver version = 03/01/2011,6.2.5.20 The following driver settings were changed from default: Color Test: Paper type = Changed to Plain Paper from Auto Select. Paper size = Changed to A4 from Letter. Mono Test: Paper type = Changed to Plain Paper from Auto Select. Paper size = Changed to A4 from Letter. Color printing = Changed to Black and White from Color.

## Declaration of Yield

<p><b>Inkjet Cartridge Yield when tested in Kodak ESP C315:</b></p> <p>Using the test suite defined in ISO/IEC 24712 provides the following results:  Average K (Black) Cartridge Yield – Up to 221 standard pages  Average Color Cartridge Yield – Up to 290 standard pages</p> <p>Using the test page defined in ISO/IEC 19752 provides the following results:  Average K (Black) Cartridge Yield – Up to 358 standard pages  Estimated supplemental Color Cartridge Yield – Up to 2,243 standard pages</p> <p>Values obtained by continuous printing. Declared yield values in accordance with ISO/IEC 24711</p>
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Using 24712 Test Suite						
Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
Kodak Black 30	K (Black)	227	9	221	9/15	Primary
Kodak Color 30	Color	292	3	290	9/12	Primary

Using 19752 Test Page						
Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
Kodak Black 30	K (Black)	359	3	358	18/21	Primary
Kodak Color 30	Color	2,276	20	2,243	3/3	Supplemental

Test results and cost information provided by QualityLogic. Tests were performed under laboratory conditions and end-user's results may vary. Test results, ink cartridge pricing and cost per page pricing subject to change without notice by QualityLogic. All test results and cost information are provided "as-is," "as available," and all warranties, expressed or implied, are hereby disclaimed. Users of the information contained herein assume full responsibility and risk of loss resulting from usage thereof.

<b>Printer Identifier</b>	<b>Brother MFC-5490cn</b>
Printer Manufacturer	Brother
Cartridge Identifier	LC61BK, LC61C, LC61M, LC61Y
Cartridge Type	Separate ink supply and print head
Date Tested	3/23/09 – 3/31/09
EOL Criteria	This printer has Ink Out which stops printing. Whichever came first, either Ink Out or Fade, was used as the EOL criteria.
Print mode used	Continuous
Paper Size	Letter
Media used	Xerox Business 4200, 92 Brightness 20lb. weight
Driver version	Driver Version= Brother MFC-5490CN Printer Version 5.02/Version 5.1 (Build 2600 Service pack 3)

## Declaration of Yield

<p><b>Inkjet Cartridge Yield when tested in Brother MFC-5490cn:</b></p> <p>Using the test suite defined in ISO/IEC 24712 provides the following results:  Average K (Black) Cartridge Yield – Up to 521 standard pages  Average Cyan Cartridge Yield – Up to 448 standard pages  Average Magenta Cartridge Yield – Up to 360 standard pages  Average Yellow Cartridge Yield – Up to 326 standard pages</p> <p>Using the test page defined in ISO/IEC 19752 provides the following results:  Average K (Black) Cartridge Yield – Up to 568 standard pages  Estimated supplemental Cyan Cartridge Yield – Up to 7,056 standard pages  Estimated supplemental Magenta Cartridge Yield – Up to 8,572 standard pages  Estimated supplemental Yellow Cartridge Yield – Up to 7,709 standard pages</p> <p>Values obtained by continuous printing. Declared yield values in accordance with ISO/IEC 24711</p>
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Using 24712 Test Suite						
Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
LC61BK	K (Black)	529	14	521	9/12	Primary
LC61C	Cyan	462	22	448	9/15	Primary
LC61M	Magenta	368	14	360	12/18	Primary
LC61Y	Yellow	331	9	326	12/18	Primary

Using 19752 Test Page						
Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
LC61BK	K (Black)	592	38	568	9/9	Primary
LC61C	Cyan	9,059	1,188	7,056	3/3	Supplemental
LC61M	Magenta	13,211	2,752	8,572	3/3	Supplemental
LC61Y	Yellow	11,236	2,092	7,709	3/3	Supplemental

Test results and cost information provided by QualityLogic. Tests were performed under laboratory conditions and end-user's results may vary. Test results, ink cartridge pricing and cost per page pricing subject to change without notice by QualityLogic. All test results and cost information are provided "as-is," "as available," and all warranties, expressed or implied, are hereby disclaimed. Users of the information contained herein assume full responsibility and risk of loss resulting from usage thereof.

<b>Printer Identifier</b>	<b>Brother MFC-5490cn</b>
Printer Manufacturer	Brother
Cartridge Identifier	LC61BK, LC61C, LC61M, LC61Y
Cartridge Type	Separate ink supply and print head
Date Tested	3/31/09 – 4/2/09
EOL Criteria	This printer has Ink Out which stops printing. Whichever came first, either Ink Out or Fade, was used as the EOL criteria.
Print mode used	Continuous
Paper Size	4" x 6" borderless photo on 8 1/2" x 11" photo paper
Media used	Brother Premium Glossy Photo Paper (BP61GLL)
Driver version	Driver Version= Brother MFC-5490CN Printer Version 5.02/Version 5.1 (Build 2600 Service pack 3) The following driver settings were changed from default: Media Type = Changed to BP61 Photo Paper from Plain Paper.

## Declaration of Yield

<p><b>Inkjet Cartridge Yield when tested in Brother MFC-5490cn:</b></p> <p>Using the QualityLogic Color Photo test suite provides the following results:</p> <ul style="list-style-type: none"> <li>Average Cyan Cartridge Yield – Up to 88 standard pages</li> <li>Average Magenta Cartridge Yield – Up to 110 standard pages</li> <li>Average Yellow Cartridge Yield – Up to 91 standard pages</li> <li>Estimated supplemental K (Black) Cartridge Yield – Up to 24,117 standard pages</li> </ul> <p>Values obtained by continuous printing. Declared yield values in accordance with QualityLogic Color Photo Yield Test Methodology</p>
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Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
LC61C	Cyan	92	6	88	10/14	Primary
LC61M	Magenta	117	10	110	9/9	Primary
LC61Y	Yellow	93	4	91	10/13	Primary
LC61BK	K (Black)	32,665	5,071	24,117	3/3	Supplemental

Test results and cost information provided by QualityLogic. Tests were performed under laboratory conditions and end-user's results may vary. Test results, ink cartridge pricing and cost per page pricing subject to change without notice by QualityLogic. All test results and cost information are provided "as-is," "as available," and all warranties, expressed or implied, are hereby disclaimed. Users of the information contained herein assume full responsibility and risk of loss resulting from usage thereof.

<b>Printer Identifier</b>	<b>Brother MFC-J410W</b>
Printer Manufacturer	Brother
Cartridge Identifier	LC61BK, LC61C, LC61M, LC61Y
Cartridge Type	Separate ink supply and print head
Date Tested	4/14/2011 – 4/20/2011
EOL Criteria	This printer has Ink Out which stops printing. Whichever came first, either Ink Out or Fade, was used as the EOL criteria.
Print mode used	Continuous
Paper Size	Letter
Media used	Xerox Business 4200, 92 Brightness 20lb. weight
Driver version	Driver Version = Brother MFC-J410W Printer Version 5.02

## Declaration of Yield

<p><b>Inkjet Cartridge Yield when tested in Brother MFC-J410W:</b></p> <p>Using the test suite defined in ISO/IEC 24712 provides the following results:  Average K (Black) Cartridge Yield – Up to 532 standard pages  Average Cyan Cartridge Yield – Up to 437 standard pages  Average Magenta Cartridge Yield – Up to 375 standard pages  Average Yellow Cartridge Yield – Up to 294 standard pages</p> <p>Using the test page defined in ISO/IEC 19752 provides the following results:  Average K (Black) Cartridge Yield – Up to 564 standard pages  Estimated supplemental Cyan Cartridge Yield – Up to 9,773 standard pages  Estimated supplemental Magenta Cartridge Yield – Up to 14,357 standard pages  Estimated supplemental Yellow Cartridge Yield – Up to 12,024 standard pages</p> <p>Values obtained by continuous printing. Declared yield values in accordance with ISO/IEC 24711</p>
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Using 24712 Test Suite						
Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
LC61BK	K (Black)	549	28	532	9/12	Primary
LC61C	Cyan	454	28	437	9/15	Primary
LC61M	Magenta	387	23	375	12/18	Primary
LC61Y	Yellow	302	18	294	15/21	Primary

Using 19752 Test Page						
Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
LC61BK	K (Black)	581	27	564	9/9	Primary
LC61C	Cyan	10,129	211	9,773	3/3	Supplemental
LC61M	Magenta	19,556	3,084	14,357	3/3	Supplemental
LC61Y	Yellow	12,273	148	12,024	3/3	Supplemental

Test results and cost information provided by QualityLogic. Tests were performed under laboratory conditions and end-user's results may vary. Test results, ink cartridge pricing and cost per page pricing subject to change without notice by QualityLogic. All test results and cost information are provided "as-is," "as available," and all warranties, expressed or implied, are hereby disclaimed. Users of the information contained herein assume full responsibility and risk of loss resulting from usage thereof.

<b>Printer Identifier</b>	<b>Brother MFC-J410W</b>
Printer Manufacturer	Brother
Cartridge Identifier	LC61BK, LC61C, LC61M, LC61Y
Cartridge Type	Separate ink supply and print head
Date Tested	4/20/2011 – 4/22/2011
EOL Criteria	This printer has Ink Out which stops printing. Whichever came first, either Ink Out or Fade, was used as the EOL criteria.
Print mode used	Continuous
Paper Size	4" x 6" borderless photo on 8 ½" x 11" photo paper
Media used	Brother Premium Glossy Photo Paper (BP61GLL)
Driver version	Driver Version = Brother MFC-J410W Printer Version 5.02 The following driver settings were changed from default: Media Type = Changed to Brother BP61 Photo Paper from Plain Paper. Quality = Changed to Photo from Normal.

## Declaration of Yield

<p><b>Inkjet Cartridge Yield when tested in Brother MFC-J410W:</b></p> <p>Using the QualityLogic Color Photo test suite provides the following results:  Average Cyan Cartridge Yield – Up to 81 standard pages  Average Magenta Cartridge Yield – Up to 105 standard pages  Average Yellow Cartridge Yield – Up to 86 standard pages  Estimated supplemental K (Black) Cartridge Yield – Up to 8,727 standard pages</p> <p>Values obtained by continuous printing. Declared yield values in accordance with QualityLogic Color Photo Yield Test Methodology</p>
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Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
LC61C	Cyan	84	6	81	10/13	Primary
LC61M	Magenta	111	10	105	9/9	Primary
LC61Y	Yellow	90	5	86	9/12	Primary
LC61BK	K (Black)	38,999	17,956	8,727	3/3	Supplemental

<b>Printer Identifier</b>	<b>Canon Pixma MG5120</b>
Printer Manufacturer	Canon
Cartridge Identifier	PGI-225PGBK, CLI-226C, CLI-226M, CLI-226Y, CLI-226BK
Cartridge Type	Separate ink supply and print head
Date Tested	11/12/2010 – 11/18/2010
EOL Criteria	This printer has Ink Out which stops printing. Whichever came first, either Ink Out or Fade, was used as the EOL criteria.
Print mode used	Continuous
Paper Size	Letter
Media used	Xerox Business 4200, 92 Brightness 20lb. weight
Driver version	Driver Version = Canon Inkjet Printer Driver Version 2.41

## Declaration of Yield

<p><b>Inkjet Cartridge Yield when tested in Canon Pixma MG5120:</b></p> <p>Using the test suite defined in ISO/IEC 24712 provides the following results:  Average K (Black) Cartridge Yield – Up to 324 standard pages  Average Cyan Cartridge Yield – Up to 552 standard pages  Average Magenta Cartridge Yield – Up to 518 standard pages  Average Yellow Cartridge Yield – Up to 538 standard pages  Estimated supplemental K (Photo Black) Cartridge Yield – Up to 4,574 standard pages</p> <p>Using the test page defined in ISO/IEC 19752 provides the following results:  Average K (Black) Cartridge Yield – Up to 340 standard pages  Estimated supplemental Cyan Cartridge Yield – Up to 3,387 standard pages  Estimated supplemental Magenta Cartridge Yield – Up to 3,803 standard pages  Estimated supplemental Yellow Cartridge Yield – Up to 5,115 standard pages  Estimated supplemental K (Photo Black) Cartridge Yield – Up to 7,775 standard pages</p> <p>Values obtained by continuous printing. Declared yield values in accordance with ISO/IEC 24711</p>
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Using 24712 Test Suite						
Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
PGI-225PGBK	K (Black)	331	14	324	15/20	Primary
CLI-226C	Cyan	566	22	552	9/12	Primary
CLI-226M	Magenta	533	24	518	9/15	Primary
CLI-226Y	Yellow	548	17	538	9/15	Primary
CLI-226BK	K (Photo Black)	4,993	249	4,574	3/6	Supplemental

Using 19752 Test Page						
Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
PGI-225PGBK	K (Black)	350	17	340	9/9	Primary
CLI-226C	Cyan	3,528	84	3,387	3/3	Supplemental
CLI-226M	Magenta	3,894	54	3,803	3/3	Supplemental
CLI-226Y	Yellow	5,273	93	5,115	3/3	Supplemental
CLI-226BK	K (Photo Black)	8,367	351	7,775	3/3	Supplemental

Test results and cost information provided by QualityLogic. Tests were performed under laboratory conditions and end-user's results may vary. Test results, ink cartridge pricing and cost per page pricing subject to change without notice by QualityLogic. All test results and cost information are provided "as-is," "as available," and all warranties, expressed or implied, are hereby disclaimed. Users of the information contained herein assume full responsibility and risk of loss resulting from usage thereof.

<b>Printer Identifier</b>	<b>Canon Pixma MG5120</b>
Printer Manufacturer	Canon
Cartridge Identifier	PGI-225PGBK, CLI-226C, CLI-226M, CLI-226Y, CLI-226BK
Cartridge Type	Separate ink supply and print head
Date Tested	11/18/2010 – 11/23/2010
EOL Criteria	This printer has Ink Out which stops printing. Whichever came first, either Ink Out or Fade, was used as the EOL criteria.
Print mode used	Continuous
Paper Size	4" x 6" borderless photo on 8 1/2" x 11" photo paper
Media used	Canon Photo Paper Plus Glossy II (PP-201)
Driver version	Driver Version = Canon Inkjet Printer Driver Version 2.41 The following driver settings were changed from default: Media Type = Changed to Photo Paper Plus Glossy II from Plain Paper Paper Source = Changed to Rear Tray from Automatically Select Print Quality = Changed to High from Standard

## Declaration of Yield

<p><b>Inkjet Cartridge Yield when tested in Canon Pixma MG5120:</b></p> <p>Using the QualityLogic Color Photo test suite provides the following results:</p> <ul style="list-style-type: none"> <li>Average Cyan Cartridge Yield – Up to 176 standard pages</li> <li>Average Magenta Cartridge Yield – Up to 189 standard pages</li> <li>Average Yellow Cartridge Yield – Up to 192 standard pages</li> <li>Estimated supplemental K (Photo Black) Cartridge Yield – Up to 546 standard pages</li> <li>Estimated supplemental K (Black) Cartridge Yield – Up to 929 standard pages</li> </ul> <p>Values obtained by continuous printing. Declared yield values in accordance with QualityLogic Color Photo Yield Test Methodology</p>
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Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
CLI-226C	Cyan	181	8	176	9/12	Primary
CLI-226M	Magenta	192	5	189	9/11	Primary
CLI-226Y	Yellow	195	4	192	9/10	Primary
CLI-226BK	K (Photo Black)	577	19	546	3/5	Supplemental
PGI-225PGBK	K (Black)	978	29	929	3/3	Supplemental

Test results and cost information provided by QualityLogic. Tests were performed under laboratory conditions and end-user's results may vary. Test results, ink cartridge pricing and cost per page pricing subject to change without notice by QualityLogic. All test results and cost information are provided "as-is," "as available," and all warranties, expressed or implied, are hereby disclaimed. Users of the information contained herein assume full responsibility and risk of loss resulting from usage thereof.

<b>Printer Identifier</b>	<b>Canon Pixma MG6120</b>
Printer Manufacturer	Canon
Cartridge Identifier	PGI-225PGBK, CLI-226C, CLI-226M, CLI-226Y, CLI-226BK, CLI-226GY
Cartridge Type	Separate ink supply and print head
Date Tested	4/13/2011 – 4/19/2011
EOL Criteria	This printer has Ink Out which stops printing. Whichever came first, either Ink Out or Fade, was used as the EOL criteria.
Print mode used	Continuous
Paper Size	Letter
Media used	Xerox Business 4200, 92 Brightness 20lb. weight
Driver version	Driver Version = Canon Inkjet Printer Driver Version 2.41

## Declaration of Yield

### Inkjet Cartridge Yield when tested in Canon Pixma MG6120:

Using the test suite defined in ISO/IEC 24712 provides the following results:

- Average K (Black) Cartridge Yield – Up to 338 standard pages
- Average Cyan Cartridge Yield – Up to 550 standard pages
- Average Magenta Cartridge Yield – Up to 543 standard pages
- Average Yellow Cartridge Yield – Up to 530 standard pages
- Estimated supplemental K (Photo Black) Cartridge Yield – Up to 4,172 standard pages
- Estimated supplemental Gray Cartridge Yield – Up to 2,797 standard pages

Using the test page defined in ISO/IEC 19752 provides the following results:

- Average K (Black) Cartridge Yield – Up to 355 standard pages
- Estimated supplemental Cyan Cartridge Yield – Up to 3,246 standard pages
- Estimated supplemental Magenta Cartridge Yield – Up to 3,627 standard pages
- Estimated supplemental Yellow Cartridge Yield – Up to 4,349 standard pages
- Estimated supplemental K (Photo Black) Cartridge Yield – Up to 7,042 standard pages
- Estimated supplemental Gray Cartridge Yield – Up to 4,423 standard pages

Values obtained by continuous printing. Declared yield values in accordance with ISO/IEC 24711

Using 24712 Test Suite						
Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
PGI-225PGBK	K (Black)	343	11	338	14/18	Primary
CLI-226C	Cyan	565	24	550	9/12	Primary
CLI-226M	Magenta	556	21	543	9/15	Primary
CLI-226Y	Yellow	542	19	530	9/15	Primary
CLI-226BK	K (Photo Black)	5,749	936	4,172	3/6	Supplemental
CLI-226GY	Gray	3,546	444	2,797	3/6	Supplemental

Using 19752 Test Page						
Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
PGI-225PGBK	K (Black)	364	15	355	9/9	Primary
CLI-226C	Cyan	3,276	18	3,246	3/3	Supplemental
CLI-226M	Magenta	3,680	32	3,627	3/3	Supplemental
CLI-226Y	Yellow	4,569	131	4,349	3/3	Supplemental
CLI-226BK	K (Photo Black)	7,215	103	7,042	3/3	Supplemental
CLI-226GY	Gray	4,664	143	4,423	3/3	Supplemental

Test results and cost information provided by QualityLogic. Tests were performed under laboratory conditions and end-user's results may vary. Test results, ink cartridge pricing and cost per page pricing subject to change without notice by QualityLogic. All test results and cost information are provided "as-is," "as available," and all warranties, expressed or implied, are hereby disclaimed. Users of the information contained herein assume full responsibility and risk of loss resulting from usage thereof.

<b>Printer Identifier</b>	<b>Canon Pixma MG6120</b>
Printer Manufacturer	Canon
Cartridge Identifier	PGI-225PGBK, CLI-226C, CLI-226M, CLI-226Y, CLI-226BK, CLI-226GY
Cartridge Type	Separate ink supply and print head
Date Tested	4/19/2011 – 4/25/2011
EOL Criteria	This printer has Ink Out which stops printing. Whichever came first, either Ink Out or Fade, was used as the EOL criteria.
Print mode used	Continuous
Paper Size	4" x 6" borderless photo on 8 1/2" x 11" photo paper
Media used	Canon Photo Paper Plus Glossy II (PP-201).
Driver version	Driver Version = Canon Inkjet Printer Driver Version 2.41 The following driver settings were changed from default: Media Type = Changed to Photo Paper Plus Glossy II from Plain Paper. Print Quality = Changed to High from Standard. Paper Source = Changed to Rear Tray from Automatically Select.

## Declaration of Yield

<p><b>Inkjet Cartridge Yield when tested in Canon Pixma MG6120:</b></p> <p>Using the QualityLogic Color Photo test suite provides the following results:</p> <ul style="list-style-type: none"> <li>Average Cyan Cartridge Yield – Up to 290 standard pages</li> <li>Average Magenta Cartridge Yield – Up to 337 standard pages</li> <li>Average Yellow Cartridge Yield – Up to 308 standard pages</li> <li>Average Gray Cartridge Yield – Up to 181 standard pages</li> <li>Estimated supplemental K (Photo Black) Cartridge Yield – Up to 645 standard pages</li> <li>Estimated supplemental K (Black) Cartridge Yield – Up to 1,863 standard pages</li> </ul> <p>Values obtained by continuous printing. Declared yield values in accordance with QualityLogic Color Photo Yield Test Methodology</p>
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Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
CLI-226C	Cyan	300	16	290	9/12	Primary
CLI-226M	Magenta	349	19	337	9/9	Primary
CLI-226Y	Yellow	318	17	308	9/12	Primary
CLI-226GY	Gray	185	9	181	15/18	Primary
CLI-226BK	K (Photo Black)	652	4	645	3/6	Supplemental
PGI-225PGBK	K (Black)	1,880	10	1,863	3/3	Supplemental

<b>Printer Identifier</b>	<b>Canon PIXMA MP470</b>
Printer Manufacturer	Canon
Cartridge Identifier	PG-40, CL-41
Cartridge Type	Integral ink supply and print head
Date Tested	10/16/07 – 10/18/07
EOL Criteria	Fade was used as the EOL criteria.
Print mode used	Continuous
Paper Size	Letter
Media used	Xerox Business 4200, 92 Brightness 20lb. weight
Driver version	Driver Version = 04/02/2007, 2.10.2.30 The driver default settings were used for testing.

## Declaration of Yield

### Inkjet Cartridge Yield when tested in Canon PIXMA MP470:

Using the test suite defined in ISO/IEC 24712 provides the following results:

- Average K (Black) Cartridge Yield – Up to 346 standard pages
- Average Tri-color Cartridge Yield – Up to 333 standard pages

Using the test page defined in ISO/IEC 19752 provides the following results:

- Average K (Black) Cartridge Yield – Up to 358 standard pages
- Estimated supplemental Tri-color Cartridge Yield – Up to 2,588 standard pages

Values obtained by continuous printing. Declared yield value in accordance with ISO/IEC 24711.

Using 24712 Test Suite						
Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
PG-40	K (Black)	351	8	346	9/12	Primary
CL-41	Tri-color	339	10	333	9/15	Primary

Using 19752 Test Page						
Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
PG-40	K (Black)	364	10	358	9/9	Primary
CL-41	Tri-color	2,763	104	2,588	3/3	Supplemental

<b>Printer Identifier</b>	<b>Canon PIXMA MP470</b>
Printer Manufacturer	Canon
Cartridge Identifier	PG-40, CL-41
Cartridge Type	Integral ink supply and print head
Date Tested	10/18/07 – 10/19/07
EOL Criteria	Fade was used as the EOL criteria.
Print mode used	Continuous
Paper Size	4" x 6" borderless photo on 8 1/2" x 11" photo
Media used	Canon Photo Paper Plus Glossy, PP-101
Driver version	Driver Version = 04/02/2007, 2.10.2.30 The following driver settings were changed from default: Media Type = Changed to Photo Paper Plus Glossy from Plain Paper Print Quality = Changed to High from Standard

## Declaration of Yield

### Inkjet Cartridge Yield when tested in Canon PIXMA MP470:

Using the QualityLogic Color Photo test suite provides the following results:

Average Tri-color Cartridge Yield – Up to 113 standard pages

Estimated supplemental K (Black) Cartridge Yield – Up to 1,637 standard pages

Values obtained by continuous printing. Declared yield value in accordance with QualityLogic Color Photo Cartridge Yield Test Methodology.

Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
CL-41	Tri-color	115	3	113	9/9	Primary
PG-40	K (Black)	1,697	35	1,637	3/3	Supplemental

<b>Printer Identifier</b>	<b>Canon Pixma MP510</b>
Printer Manufacturer	Canon
Cartridge Identifier	PGI-5, CLI-8C, CLI-8M, CLI-8Y
Cartridge Type	Separate ink supply and print head
Date Tested	1/31/07 – 2/12/07
EOL Criteria	This printer has Ink Out which stops printing. Whichever came first, either Ink Out or Fade, was used as the EOL criteria.
Print mode used	Continuous
Paper Size	Letter
Media used	Xerox Business 4200, 92 Brightness 20lb. weight
Driver version	Driver Version = 04/24/2006, 1.95.2.60 The drivers default setting was used. Print Quality = Standard Media Type = Plain

## Declaration of Yield

<p><b>Inkjet Cartridge Yield when tested in Canon Pixma MP510:</b></p> <p>Using the test suite defined in ISO/IEC 24712 provides the following results:  Average K (Black) Cartridge Yield – Up to 490 standard pages  Average Cyan Cartridge Yield – Up to 874 standard pages  Average Magenta Cartridge Yield – Up to 713 standard pages  Average Yellow Cartridge Yield – Up to 666 standard pages</p> <p>Using the test page defined in ISO/IEC 19752 provides the following results:  Average K (Black) Cartridge Yield – Up to 521 standard pages  Estimated supplemental Cyan Cartridge Yield – Up to 6,680 standard pages  Estimated supplemental Magenta Cartridge Yield – Up to 6,360 standard pages  Estimated supplemental Yellow Cartridge Yield – Up to 8,584 standard pages</p> <p>Values obtained by continuous printing. Declared yield values in accordance with ISO/IEC 24711</p>
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Using 24712 Test Suite						
Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
PGI-5	K (Black)	504	23	490	9/12	Primary
CLI-8C	Cyan	903	47	874	9/12	Primary
CLI-8M	Magenta	724	18	713	9/12	Primary
CLI-8Y	Yellow	706	63	666	9/12	Primary

Using 19752 Test Suite						
Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
PGI-5	K (Black)	532	17	521	9/9	Primary
CLI-8C	Cyan	7,059	225	6,680	3/3	Supplemental
CLI-8M	Magenta	6,699	201	6,360	3/3	Supplemental
CLI-8Y	Yellow	8,924	202	8,584	3/3	Supplemental

Test results and cost information provided by QualityLogic. Tests were performed under laboratory conditions and end-user's results may vary. Test results, ink cartridge pricing and cost per page pricing subject to change without notice by QualityLogic. All test results and cost information are provided "as-is," "as available," and all warranties, expressed or implied, are hereby disclaimed. Users of the information contained herein assume full responsibility and risk of loss resulting from usage thereof.

<b>Printer Identifier</b>	<b>Canon Pixma MP510</b>
Printer Manufacturer	Canon
Cartridge Identifier	PGI-5, CLI-8C, CLI-8M, CLI-8Y
Cartridge Type	Separate ink supply and print head
Date Tested	2/6/07 – 2/9/07
EOL Criteria	This printer has Ink Out which stops printing. Whichever came first, either Ink Out or Fade, was used as the EOL criteria.
Print mode used	Continuous
Paper Size	4" x 6" borderless photo on 8 1/2" x 11" photo
Media used	PP-101, Photo Paper Plus Glossy
Driver version	Driver Version = 04/24/2006, 1.95.2.60 The following settings were used: Print Quality = High Media Type = Photo Paper Plus Glossy

## Declaration of Yield

<p><b>Inkjet Cartridge Yield when tested in Canon Pixma MP510:</b></p> <p>Using the QualityLogic Color Photo test suite provides the following results:</p> <ul style="list-style-type: none"> <li>Average Cyan Cartridge Yield – Up to 354 standard pages</li> <li>Average Magenta Cartridge Yield – Up to 252 standard pages</li> <li>Average Yellow Cartridge Yield – Up to 269 standard pages</li> <li>Estimated supplemental K (Black) Cartridge Yield – Up to 2,979 standard pages</li> </ul> <p>Values obtained by continuous printing. Declared yield values in accordance with QualityLogic Color Photo Yield Test Methodology</p>
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Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
CLI-8C	Cyan	363	14	354	9/9	Primary
CLI-8M	Magenta	256	9	252	12/15	Primary
CLI-8Y	Yellow	273	8	269	11/14	Primary
PGI-5	Black	3,050	42	2,979	3/3	Supplemental

Test results and cost information provided by QualityLogic. Tests were performed under laboratory conditions and end-user's results may vary. Test results, ink cartridge pricing and cost per page pricing subject to change without notice by QualityLogic. All test results and cost information are provided "as-is," "as available," and all warranties, expressed or implied, are hereby disclaimed. Users of the information contained herein assume full responsibility and risk of loss resulting from usage thereof.

<b>Printer Identifier</b>	<b>Canon PIXMA MP620</b>
Printer Manufacturer	Canon
Cartridge Identifier	PGI-220BK, CLI-221C, CLI-221M, CLI-221Y, CLI-221BK
Cartridge Type	Separate ink supply and print head
Date Tested	10/8/08 – 10/14/08
EOL Criteria	This printer has Ink Out which stops printing. Whichever came first, either Ink Out or Fade, was used as the EOL criteria.
Print mode used	Continuous
Paper Size	Letter
Media used	Xerox Business 4200, 92 Brightness 20lb. weight
Driver version	Driver Version = 06/12/2008, 2.21.2.20

## Declaration of Yield

### Inkjet Cartridge Yield when tested in Canon PIXMA MP620:

Using the test suite defined in ISO/IEC 24712 provides the following results:

- Average K (Pigment Black) Cartridge Yield – Up to 344 standard pages
- Average Cyan Cartridge Yield – Up to 565 standard pages
- Average Magenta Cartridge Yield – Up to 539 standard pages
- Average Yellow Cartridge Yield – Up to 546 standard pages
- Estimated supplemental K (Black) Cartridge Yield – Up to 5,141 standard pages

Using the test page defined in ISO/IEC 19752 provides the following results:

- Average K (Pigment Black) Cartridge Yield – Up to 366 standard pages
- Estimated supplemental Cyan Cartridge Yield – Up to 3,228 standard pages
- Estimated supplemental Magenta Cartridge Yield – Up to 3,498 standard pages
- Estimated supplemental Yellow Cartridge Yield – Up to 4,551 standard pages
- Estimated supplemental K (Black) Cartridge Yield – Up to 6,866 standard pages

Values obtained by continuous printing. Declared yield values in accordance with ISO/IEC 24711

Using 24712 Test Suite						
Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
PGI-220BK	K (Pigment Black)	348	7	344	13/19	Primary
CLI-221C	Cyan	583	30	565	9/12	Primary
CLI-221M	Magenta	549	16	539	9/15	Primary
CLI-221Y	Yellow	558	19	546	9/15	Primary
CLI-221BK	K (Black)	5,986	501	5,141	3/6	Supplemental

Using 19752 Test Page						
Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
PGI-220BK	K (Pigment Black)	374	12	366	9/9	Primary
CLI-221C	Cyan	3,289	36	3,228	3/3	Supplemental
CLI-221M	Magenta	3,597	59	3,498	3/3	Supplemental
CLI-221Y	Yellow	4,726	104	4,551	3/3	Supplemental
CLI-221BK	K (Black)	7,115	148	6,866	3/3	Supplemental

<b>Printer Identifier</b>	<b>Canon PIXMA MP620</b>
Printer Manufacturer	Canon
Cartridge Identifier	PGI-220BK, CLI-221C, CLI-221M, CLI-221Y, CLI-221BK
Cartridge Type	Separate ink supply and print head
Date Tested	10/15/08 – 10/17/08
EOL Criteria	This printer has Ink Out which stops printing. Whichever came first, either Ink Out or Fade, was used as the EOL criteria.
Print mode used	Continuous
Paper Size	4" x 6" borderless photo on 8 ½" x 11" photo paper
Media used	Canon Photo Paper Plus Glossy II, (PP-201)
Driver version	Driver Version = 06/12/2008, 2.21.2.20 The following driver settings were changed from default: Media Type = Changed to Photo Paper Plus Glossy II from Plain Paper Print Quality = Changed to High from Standard

## Declaration of Yield

### Inkjet Cartridge Yield when tested in Canon PIXMA MP620:

Using the QualityLogic Color Photo test suite provides the following results:

- Average Cyan Cartridge Yield – Up to 201 standard pages
- Average Magenta Cartridge Yield – Up to 217 standard pages
- Average Yellow Cartridge Yield – Up to 213 standard pages
- Estimated supplemental K (Black) Cartridge Yield – Up to 610 standard pages
- Estimated supplemental K (Pigment Black) Cartridge Yield – Up to 1,952 standard pages

Values obtained by continuous printing. Declared yield values in accordance with QualityLogic Color Photo Yield Test Methodology

Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
CLI-221C	Cyan	204	6	201	9/12	Primary
CLI-221M	Magenta	222	8	217	9/10	Primary
CLI-221Y	Yellow	219	9	213	9/11	Primary
CLI-221BK	K (Black)	658	29	610	3/4	Supplemental
PGI-220BK	K (Pigment Black)	2,015	37	1,952	3/3	Supplemental

<b>Printer Identifier</b>	<b>Canon PIXMA MX330</b>
Printer Manufacturer	Canon
Cartridge Identifier	PG-210, CL-211
Cartridge Type	Integral ink supply and print head
Date Tested	10/15/09 – 10/22/09
EOL Criteria	This printer has Ink Out which stops printing. Whichever came first, either Ink Out or Fade, was used as the EOL criteria.
Print mode used	Continuous
Paper Size	Letter
Media used	Xerox Business 4200, 92 Brightness 20lb. weight
Driver version	Driver Version = 04/25/2009, 2.27.2.10

## Declaration of Yield

### Inkjet Cartridge Yield when tested in Canon PIXMA MX330:

Using the test suite defined in ISO/IEC 24712 provides the following results:

Average K (Black) Cartridge Yield: Up to 288 standard pages

Average Tri-color Cartridge Yield: Up to 265 standard pages

Using the test page defined in ISO/IEC 19752 provides the following results:

Average K (Black) Cartridge Yield: Up to 286 standard pages

Estimated supplemental Tri-color Cartridge Yield: Up to 2,738 standard pages

Values obtained by continuous printing. Declared yield value in accordance with ISO/IEC 24711.

Using 24712 Test Suite						
Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
PG-210	K (Black)	297	14	288	9/12	Primary
CL-211	Tri-color	268	6	265	9/15	Primary

Using 19752 Test Page						
Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
PG-210	K (Black)	296	15	286	9/9	Primary
CL-211	Tri-color	2,868	77	2,738	3/3	Supplemental

<b>Printer Identifier</b>	<b>Canon PIXMA MX330</b>
Printer Manufacturer	Canon
Cartridge Identifier	PG-210, CL-211
Cartridge Type	Integral ink supply and print head
Date Tested	10/23/09 – 10/26/09
EOL Criteria	This printer has Ink Out which stops printing. Whichever came first, either Ink Out or Fade, was used as the EOL criteria.
Print mode used	Continuous
Paper Size	4" x 6" borderless photo on 8 1/2" x 11" photo paper
Media used	Canon Photo Paper Plus Glossy II, High Gloss (PP-201).
Driver version	Driver Version = 04/25/2009, 2.27.2.10 The following driver settings were changed from default: Media Type = Changed to Photo Paper Plus Glossy II from Plain Paper Print Quality = Changed to High from Standard

## Declaration of Yield

### Inkjet Cartridge Yield when tested in Canon PIXMA MX330:

Using the QualityLogic Color Photo test suite provides the following results:

Average Tri-color Cartridge Yield: Up to 92 standard pages

Estimated supplemental K (Black) Cartridge Yield: Up to 1,336 standard pages

Values obtained by continuous printing. Declared yield value in accordance with QualityLogic Color Photo Cartridge Yield Test Methodology.

Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
CL-211	Tri-color	92	1	92	9/9	Primary
PG-210	K (Black)	1,506	101	1,336	3/3	Supplemental

<b>Printer Identifier</b>	<b>Canon PIXMA MX700</b>
Printer Manufacturer	Canon
Cartridge Identifier	PGI-5BK, CLI-8C, CLI-8M, CLI-8Y
Cartridge Type	Separate ink supply and print head
Date Tested	3/6/09 – 3/18/09
EOL Criteria	This printer has Ink Out which stops printing. Whichever came first, either Ink Out or Fade, was used as the EOL criteria.
Print mode used	Continuous
Paper Size	Letter
Media used	Xerox Business 4200, 92 Brightness 20lb. weight
Driver version	DriverVer=05/22/2007, 2.11.2.20

## Declaration of Yield

### Inkjet Cartridge Yield when tested in Canon PIXMA MX700:

Using the test suite defined in ISO/IEC 24712 provides the following results:

- Average K (Black) Cartridge Yield – Up to 488 standard pages
- Average Cyan Cartridge Yield – Up to 873 standard pages
- Average Magenta Cartridge Yield – Up to 676 standard pages
- Average Yellow Cartridge Yield – Up to 691 standard pages

Using the test page defined in ISO/IEC 19752 provides the following results:

- Average K (Black) Cartridge Yield – Up to 533 standard pages
- Estimated supplemental Cyan Cartridge Yield – Up to 7,768 standard pages
- Estimated supplemental Magenta Cartridge Yield – Up to 7,161 standard pages
- Estimated supplemental Yellow Cartridge Yield – Up to 9,551 standard pages

Values obtained by continuous printing. Declared yield values in accordance with ISO/IEC 24711

Using 24712 Test Suite						
Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
PGI-5BK	K (Black)	493	11	488	15/21	Primary
CLI-8C	Cyan	897	38	873	9/12	Primary
CLI-8M	Magenta	688	20	676	9/15	Primary
CLI-8Y	Yellow	699	14	691	9/15	Primary

Using 19752 Test Page						
Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
PGI-5BK	K (Black)	541	12	533	9/9	Primary
CLI-8C	Cyan	8,143	223	7,768	3/3	Supplemental
CLI-8M	Magenta	7,228	40	7,161	3/3	Supplemental
CLI-8Y	Yellow	9,792	143	9,551	3/3	Supplemental

<b>Printer Identifier</b>	<b>Canon PIXMA MX700</b>
Printer Manufacturer	Canon
Cartridge Identifier	PGI-5BK, CLI-8C, CLI-8M, CLI-8Y
Cartridge Type	Separate ink supply and print head
Date Tested	3/18/09 – 3/25/09
EOL Criteria	This printer has Ink Out which stops printing. Whichever came first, either Ink Out or Fade, was used as the EOL criteria.
Print mode used	Continuous
Paper Size	4" x 6" borderless photo on 8 1/2" x 11" photo paper
Media used	Canon Photo Paper Plus Glossy II (PP-201)
Driver version	DriverVer=05/22/2007, 2.11.2.20 The following driver settings were changed from default: Media Type = Changed to Photo Paper Plus Glossy II from Plain Paper. Paper Source = Changed to Rear Tray from Paper Feed Switch. Print Quality = Changed to High from Standard.

## Declaration of Yield

<p><b>Inkjet Cartridge Yield when tested in Canon PIXMA MX700:</b></p> <p>Using the QualityLogic Color Photo test suite provides the following results:</p> <ul style="list-style-type: none"> <li>Average Cyan Cartridge Yield – Up to 348 standard pages</li> <li>Average Magenta Cartridge Yield – Up to 248 standard pages</li> <li>Average Yellow Cartridge Yield – Up to 276 standard pages</li> <li>Estimated supplemental K (Black) Cartridge Yield – Up to 2,809 standard pages</li> </ul> <p>Values obtained by continuous printing. Declared yield values in accordance with QualityLogic Color Photo Yield Test Methodology</p>
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Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
CLI-8C	Cyan	354	10	348	9/9	Primary
CLI-8M	Magenta	252	7	248	12/15	Primary
CLI-8Y	Yellow	280	6	276	9/12	Primary
PGI-5BK	K (Black)	2,901	55	2,809	3/3	Supplemental

Test results and cost information provided by QualityLogic. Tests were performed under laboratory conditions and end-user's results may vary. Test results, ink cartridge pricing and cost per page pricing subject to change without notice by QualityLogic. All test results and cost information are provided "as-is," "as available," and all warranties, expressed or implied, are hereby disclaimed. Users of the information contained herein assume full responsibility and risk of loss resulting from usage thereof.

<b>Printer Identifier</b>	<b>Canon PIXMA MX860</b>
Printer Manufacturer	Canon
Cartridge Identifier	PGI-220BK, CLI-221C, CLI-221M, CLI-221Y, CLI-221BK
Cartridge Type	Separate ink supply and print head
Date Tested	10/21/09 – 10/27/09
EOL Criteria	This printer has Ink Out which stops printing. Whichever came first, either Ink Out or Fade, was used as the EOL criteria.
Print mode used	Continuous
Paper Size	Letter
Media used	Xerox Business 4200, 92 Brightness 20lb. weight
Driver version	Driver Version = 05/26/2009, 2.27.2.10

## Declaration of Yield

### Inkjet Cartridge Yield when tested in Canon PIXMA MX860:

Using the test suite defined in ISO/IEC 24712 provides the following results:

- Average K (Black) Cartridge Yield – Up to 329 standard pages
- Average Cyan Cartridge Yield – Up to 564 standard pages
- Average Magenta Cartridge Yield – Up to 522 standard pages
- Average Yellow Cartridge Yield – Up to 553 standard pages
- Estimated supplemental Photo Black Cartridge Yield – Up to 5,054 standard pages

Using the test page defined in ISO/IEC 19752 provides the following results:

- Average K (Black) Cartridge Yield – Up to 360 standard pages
- Estimated supplemental Cyan Cartridge Yield – Up to 3,421 standard pages
- Estimated supplemental Magenta Cartridge Yield – Up to 3,703 standard pages
- Estimated supplemental Yellow Cartridge Yield – Up to 4,984 standard pages
- Estimated supplemental Photo Black Cartridge Yield – Up to 7,966 standard pages

Values obtained by continuous printing. Declared yield value in accordance with ISO/IEC 24711.

Using 24712 Test Suite						
Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
PGI-220BK	K (Black)	337	16	329	14/20	Primary
CLI-221C	Cyan	577	21	564	9/12	Primary
CLI-221M	Magenta	536	22	522	9/15	Primary
CLI-221Y	Yellow	564	18	553	9/15	Primary
CLI-221BK	Photo Black	5,874	486	5,054	3/6	Supplemental

Using 19752 Test Page						
Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
PGI-220BK	K (Black)	367	11	360	9/9	Primary
CLI-221C	Cyan	3,748	194	3,421	3/3	Supplemental
CLI-221M	Magenta	4,112	242	3,703	3/3	Supplemental
CLI-221Y	Yellow	5,555	339	4,984	3/3	Supplemental
CLI-221BK	Photo Black	9,144	699	7,966	3/3	Supplemental

Test results and cost information provided by QualityLogic. Tests were performed under laboratory conditions and end-user's results may vary. Test results, ink cartridge pricing and cost per page pricing subject to change without notice by QualityLogic. All test results and cost information are provided "as-is," "as available," and all warranties, expressed or implied, are hereby disclaimed. Users of the information contained herein assume full responsibility and risk of loss resulting from usage thereof.

<b>Printer Identifier</b>	<b>Canon PIXMA MX860</b>
Printer Manufacturer	Canon
Cartridge Identifier	PGI-220BK, CLI-221C, CLI-221M, CLI-221Y, CLI-221BK
Cartridge Type	Separate ink supply and print head
Date Tested	10/27/09 – 10/30/09
EOL Criteria	This printer has Ink Out which stops printing. Whichever came first, either Ink Out or Fade, was used as the EOL criteria.
Print mode used	Continuous
Paper Size	4" x 6" borderless photo on 8 ½" x 11" photo paper
Media used	Canon Photo Paper Plus Glossy II, High Gloss (PP-201)
Driver version	Driver Version = 05/26/2009, 2.27.2.10 Media Type = Changed to Photo Paper Plus Glossy II from Plain Paper Print Quality = Changed to High from Standard Paper Source = Changed to Rear Tray from Automatically Select

## Declaration of Yield

### Inkjet Cartridge Yield when tested in Canon PIXMA MX860:

Using the QualityLogic Color Photo test suite provides the following results:

- Average Cyan Cartridge Yield – Up to 198 standard pages
- Average Magenta Cartridge Yield – Up to 217 standard pages
- Average Yellow Cartridge Yield – Up to 220 standard pages
- Estimated supplemental Photo Black Cartridge Yield – Up to 600 standard pages
- Estimated supplemental K (Black) Cartridge Yield – Up to 1,796 standard pages

Values obtained by continuous printing. Declared yield value in accordance with QualityLogic Color Photo Cartridge Yield Test Methodology.

Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
CLI-221C	Cyan	206	12	198	9/12	Primary
CLI-221M	Magenta	222	8	217	9/10	Primary
CLI-221Y	Yellow	225	8	220	9/9	Primary
CLI-221BK	Photo Black	675	44	600	3/5	Supplemental
PGI-220BK	K (Black)	1,875	46	1,796	3/3	Supplemental

<b>Printer Identifier</b>	<b>Epson Stylus CX8300</b>
Printer Manufacturer	Epson
Cartridge Identifier	T0731, T0732, T0733, T0734
Cartridge Type	Separate ink supply and print head
Date Tested	4/3/08 – 4/7/08
EOL Criteria	This printer has Ink Out which stops printing. Whichever came first, either Ink Out or Fade, was used as the EOL criteria.
Print mode used	Continuous
Paper Size	Letter
Media used	Xerox Business 4200, 92 Brightness 20lb. weight
Driver version	Driver Version = 5/11/2007, 6.50.00.00 The following driver settings were changed from default: Color Ink Test: The drivers default settings were used for testing. Mono Ink Test: Calidad de impresion = Changed to Texto from Texto e imagenes. The "Solo tinta negra" option was enabled in the Avanzado tab.

## Declaration of Yield

### Inkjet Cartridge Yield when tested in Epson Stylus CX8300:

Using the test suite defined in ISO/IEC 24712 provides the following results:

- Average K (Black) Cartridge Yield – Up to 245 standard pages
- Average Cyan Cartridge Yield – Up to 390 standard pages
- Average Magenta Cartridge Yield – Up to 289 standard pages
- Average Yellow Cartridge Yield – Up to 411 standard pages

Using the test page defined in ISO/IEC 19752 provides the following results:

- Average K (Black) Cartridge Yield – Up to 247 standard pages
- Estimated supplemental Cyan Cartridge Yield – Up to 1,465 standard pages
- Estimated supplemental Magenta Cartridge Yield – Up to 2,114 standard pages
- Estimated supplemental Yellow Cartridge Yield – Up to 2,312 standard pages

Values obtained by continuous printing. Declared yield values in accordance with ISO/IEC 24711

Using 24712 Test Suite						
Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
T0731	K (Black)	249	10	245	15/20	Primary
T0732	Cyan	399	15	390	9/15	Primary
T0733	Magenta	297	15	289	12/18	Primary
T0734	Yellow	422	18	411	9/12	Primary

Using 19752 Test Page						
Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
T0731	K (Black)	254	12	247	9/9	Primary
T0732	Cyan	1,713	147	1,465	3/3	Supplemental
T0733	Magenta	2,526	245	2,114	3/3	Supplemental
T0734	Yellow	2,536	133	2,312	3/3	Supplemental

Test results and cost information provided by QualityLogic. Tests were performed under laboratory conditions and end-user's results may vary. Test results, ink cartridge pricing and cost per page pricing subject to change without notice by QualityLogic. All test results and cost information are provided "as-is," "as available," and all warranties, expressed or implied, are hereby disclaimed. Users of the information contained herein assume full responsibility and risk of loss resulting from usage thereof.

<b>Printer Identifier</b>	<b>Epson Stylus CX8300</b>
Printer Manufacturer	Epson
Cartridge Identifier	T0731, T0732, T0733, T0734
Cartridge Type	Separate ink supply and print head
Date Tested	4/8/08 – 4/11/08
EOL Criteria	This printer has Ink Out which stops printing. Whichever came first, either Ink Out or Fade, was used as the EOL criteria.
Print mode used	Continuous
Paper Size	4" x 6" borderless photo on 8 1/2" x 11" photo paper
Media used	Epson Premium Photo Paper Glossy (S041286)
Driver version	Driver Version = 5/11/2007, 6.50.00.00 The following driver settings were changed from default: Calidad de impresion = Changed to Foto superior from Texto e imagenes. Papel = Changed to Premium Photo Paper Glossy from Papel normal / Bright White paper. Opciones de papel y calidad de impresion = Changed to Photo RPM from Normal.

## Declaration of Yield

### Inkjet Cartridge Yield when tested in Epson Stylus CX8300:

Using the QualityLogic Color Photo test suite provides the following results:

- Average Cyan Cartridge Yield – Up to 85 standard pages
- Average Magenta Cartridge Yield – Up to 86 standard pages
- Average Yellow Cartridge Yield – Up to 114 standard pages
- Estimated supplemental K (Black) Cartridge Yield – Up to 468 standard pages

Values obtained by continuous printing. Declared yield values in accordance with QualityLogic Color Photo Yield Test Methodology

Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
T0731	Cyan	88	4	85	11/13	Primary
T0732	Magenta	88	3	86	10/12	Primary
T0733	Yellow	118	5	114	9/9	Primary
T0734	K (Black)	535	40	468	3/3	Supplemental

<b>Printer Identifier</b>	<b>Epson Stylus Office TX600FW</b>
Printer Manufacturer	Epson
Cartridge Identifier	T1031, T1032, T1033, T1034
Cartridge Type	Separate ink supply and print head
Date Tested	5/6/2010 – 5/13/2010
EOL Criteria	This printer has Ink Out which stops printing. Whichever came first, either Ink Out or Fade, was used as the EOL criteria.
Print mode used	Continuous
Paper Size	Letter
Media used	Xerox Business 4200, 92 Brightness 20lb. weight
Driver version	Driver Version = Epson Color Printing System Version 6.64 The following driver settings were changed from default: Color Ink Test: None Mono Ink Test: Opciones de impresion = The "Negro/Escala de grises" setting was enabled.

## Declaration of Yield

### Inkjet Cartridge Yield when tested in Epson Stylus Office TX600FW:

Using the test suite defined in ISO/IEC 24712 provides the following results:

- Average K (Black) Cartridge Yield – Up to 1,050 standard pages
- Average Cyan Cartridge Yield – Up to 970 standard pages
- Average Magenta Cartridge Yield – Up to 672 standard pages
- Average Yellow Cartridge Yield – Up to 1,043 standard pages

Using the test page defined in ISO/IEC 19752 provides the following results:

- Average K (Black) Cartridge Yield – Up to 1,130 standard pages
- Estimated supplemental Cyan Cartridge Yield – Up to 11,163 standard pages
- Estimated supplemental Magenta Cartridge Yield – Up to 15,778 standard pages
- Estimated supplemental Yellow Cartridge Yield – Up to 11,149 standard pages

Values obtained by continuous printing. Declared yield values in accordance with ISO/IEC 24711

Using 24712 Test Suite						
Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
T1031	K (Black)	1,062	20	1,050	9/12	Primary
T1032	Cyan	991	34	970	9/15	Primary
T1033	Magenta	682	18	672	12/18	Primary
T1034	Yellow	1,054	18	1,043	9/14	Primary

Using 19752 Test Page						
Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
T1031	K (Black)	1,138	12	1,130	9/9	Primary
T1032	Cyan	11,637	281	11,163	3/3	Supplemental
T1033	Magenta	19,421	2,161	15,778	3/3	Supplemental
T1034	Yellow	11,585	259	11,149	3/3	Supplemental

Test results and cost information provided by QualityLogic. Tests were performed under laboratory conditions and end-user's results may vary. Test results, ink cartridge pricing and cost per page pricing subject to change without notice by QualityLogic. All test results and cost information are provided "as-is," "as available," and all warranties, expressed or implied, are hereby disclaimed. Users of the information contained herein assume full responsibility and risk of loss resulting from usage thereof.

<b>Printer Identifier</b>	<b>Epson Stylus Office TX600FW</b>
Printer Manufacturer	Epson
Cartridge Identifier	T1031, T1032, T1033, T1034
Cartridge Type	Separate ink supply and print head
Date Tested	5/14/2010 – 5/25/2010
EOL Criteria	This printer has Ink Out which stops printing. Whichever came first, either Ink Out or Fade, was used as the EOL criteria.
Print mode used	Continuous
Paper Size	4" x 6" borderless photo on 8 1/2" x 11" photo paper
Media used	Epson Ultra Premium Photo Paper Glossy (S042175)
Driver version	Driver Version = Epson Color Printing System Version 6.64 The following driver settings were changed from default: Calidad de impresion = Changed to Foto superior from Texto Papel = Changed to Ultra Premium Photo Paper Glossy from Papel normal / Bright White Paper

## Declaration of Yield

<p><b>Inkjet Cartridge Yield when tested in Epson Stylus Office TX600FW:</b></p> <p>Using the QualityLogic Color Photo test suite provides the following results:</p> <ul style="list-style-type: none"> <li>Average Cyan Cartridge Yield – Up to 223 standard pages</li> <li>Average Magenta Cartridge Yield – Up to 194 standard pages</li> <li>Average Yellow Cartridge Yield – Up to 259 standard pages</li> <li>Estimated supplemental K (Black) Cartridge Yield – Up to 380 standard pages</li> </ul> <p>Values obtained by continuous printing. Declared yield values in accordance with QualityLogic Color Photo Yield Test Methodology</p>
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Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
T1032	Cyan	239	27	223	9/12	Primary
T1033	Magenta	210	30	194	11/13	Primary
T1034	Yellow	279	31	259	9/9	Primary
T1031	K (Black)	546	98	380	3/6	Supplemental

Test results and cost information provided by QualityLogic. Tests were performed under laboratory conditions and end-user's results may vary. Test results, ink cartridge pricing and cost per page pricing subject to change without notice by QualityLogic. All test results and cost information are provided "as-is," "as available," and all warranties, expressed or implied, are hereby disclaimed. Users of the information contained herein assume full responsibility and risk of loss resulting from usage thereof.

<b>Printer Identifier</b>	<b>HP Deskjet 1055 AiO Printer J410e</b>
Printer Manufacturer	Hewlett Packard
Cartridge Identifier	HP 61 – CH561WN, CH562WN
Cartridge Type	Integral ink supply and print head
Date Tested	3/24/2011 – 3/29/2011
EOL Criteria	Fade was used as the EOL criteria.
Print mode used	Continuous
Paper Size	Letter
Media used	Xerox Business 4200, 92 Brightness 20lb. weight
Driver version	Driver Version = 04.43.07.853

## Declaration of Yield

### Inkjet Cartridge Yield when tested in HP Deskjet 1055 AiO Printer J410e:

Using the test suite defined in ISO/IEC 24712 provides the following results:

Average K (Black) Cartridge Yield – Up to 188 standard pages

Average Tri-color Cartridge Yield – Up to 160 standard pages

Using the test page defined in ISO/IEC 19752 provides the following results:

Average K (Black) Cartridge Yield – Up to 199 standard pages

Estimated supplemental Tri-color Cartridge Yield – Up to 1,907 standard pages

Values obtained by continuous printing. Declared yield values in accordance with ISO/IEC 24711

Using 24712 Test Suite						
Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
HP 61 (CH561WN)	K(Black)	192	7	188	9/12	Primary
HP 61 (CH562WN)	Tri-color	163	6	160	9/15	Primary

Using 19752 Test Page						
Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
HP 61 (CH561WN)	K(Black)	201	4	199	9/9	Primary
HP 61 (CH562WN)	Tri-color	1,969	37	1,907	3/3	Supplemental

<b>Printer Identifier</b>	<b>HP Deskjet 1055 AiO Printer J410e</b>
Printer Manufacturer	Hewlett Packard
Cartridge Identifier	HP 61 - CH561WN, CH562WN
Cartridge Type	Integral ink supply and print head
Date Tested	3/29/2011 - 3/30/2011
EOL Criteria	Fade was used as the EOL criteria.
Print mode used	Continuous
Paper Size	4" x 6" borderless photo on 8 ½" x 11" photo paper
Media used	HP Premium Plus Photo Paper, High Gloss (Q1785A).
Driver version	Driver Version = 04.43.07.853 Paper Source = Changed to Photo Paper, Best Quality from Plain Paper, Normal Quality.

## Declaration of Yield

<p><b>Inkjet Cartridge Yield when tested in HP Deskjet 1055 AiO Printer J410e:</b></p> <p>Using the QualityLogic Color Photo test suite provides the following results:  Average Tri-Color Cartridge Yield - Up to 44 standard pages  Estimated supplemental K (Black) Cartridge Yield - Up to 1,902 standard pages</p> <p>Values obtained by continuous printing. Declared yield values in accordance with QualityLogic Color Photo Yield Test Methodology</p>
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Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
HP 61 (CH562WN)	Tri-color	45	2	44	9/9	Primary
HP 61 (CH561WN)	K (Black)	2,213	184	1,902	3/3	Supplemental

Test results and cost information provided by QualityLogic. Tests were performed under laboratory conditions and end-user's results may vary. Test results, ink cartridge pricing and cost per page pricing subject to change without notice by QualityLogic. All test results and cost information are provided "as-is," "as available," and all warranties, expressed or implied, are hereby disclaimed. Users of the information contained herein assume full responsibility and risk of loss resulting from usage thereof.

<b>Printer Identifier</b>	<b>HP Deskjet 3050</b>
Printer Manufacturer	Hewlett Packard
Cartridge Identifier	HP 61 – CH561WN, CH562WN
Cartridge Type	Integral ink supply and print head
Date Tested	11/4/2010 – 11/9/2010
EOL Criteria	Fade was used as the EOL criteria.
Print mode used	Continuous
Paper Size	Letter
Media used	Xerox Business 4200, 92 Brightness 20lb. weight
Driver version	Driver Version = 04.35.01.800

## Declaration of Yield

### Inkjet Cartridge Yield when tested in HP Deskjet 3050:

Using the test suite defined in ISO/IEC 24712 provides the following results:

Average K (Black) Cartridge Yield – Up to 193 standard pages

Average Tri-Color Cartridge Yield – Up to 151 standard pages

Using the test page defined in ISO/IEC 19752 provides the following results:

Average K (Black) Cartridge Yield – Up to 196 standard pages

Estimated supplemental Tri-Color Cartridge Yield – Up to 1,522 standard pages

Values obtained by continuous printing. Declared yield values in accordance with ISO/IEC 24711

#### Using 24712 Test Suite

Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
HP 61 (CH561WN)	K (Black)	196	4	193	9/12	Primary
HP 61 (CH562WN)	Tri-Color	154	6	151	9/15	Primary

#### Using 19752 Test Page

Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
HP 61 (CH561WN)	K (Black)	202	9	196	9/9	Primary
HP 61 (CH562WN)	Tri-Color	1,625	61	1,522	3/3	Supplemental

<b>Printer Identifier</b>	<b>HP Deskjet 3050</b>
Printer Manufacturer	Hewlett Packard
Cartridge Identifier	HP 61 – CH561WN, CH562WN
Cartridge Type	Integral ink supply and print head
Date Tested	11/9/2010 – 11/10/2010
EOL Criteria	Fade was used as the EOL criteria.
Print mode used	Continuous
Paper Size	4" x 6" borderless photo on 8 1/2" x 11" photo paper
Media used	HP Premium Plus Photo Paper, High Gloss (Q1785A)
Driver version	Driver Version = 04.35.01.800 The following driver settings were changed from default: Paper/Quality = Changed to Photo Paper, Best Quality from Plain Paper, Normal Quality

## Declaration of Yield

<p><b>Inkjet Cartridge Yield when tested in HP Deskjet 3050:</b></p> <p>Using the QualityLogic Color Photo test suite provides the following results:  Average Tri-Color Cartridge Yield – Up to 41 standard pages  Estimated supplemental K (Black) Cartridge Yield – Up to 2,085 standard pages</p> <p>Values obtained by continuous printing. Declared yield values in accordance with QualityLogic Color Photo Yield Test Methodology</p>
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Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
HP 61 (CH562WN)	Tri-Color	42	2	41	9/9	Primary
HP 61 (CH561WN)	K (Black)	2,481	235	2,085	3/3	Supplemental

Test results and cost information provided by QualityLogic. Tests were performed under laboratory conditions and end-user's results may vary. Test results, ink cartridge pricing and cost per page pricing subject to change without notice by QualityLogic. All test results and cost information are provided "as-is," "as available," and all warranties, expressed or implied, are hereby disclaimed. Users of the information contained herein assume full responsibility and risk of loss resulting from usage thereof.

<b>Printer Identifier</b>	<b>HP Deskjet F4580</b>
Printer Manufacturer	Hewlett Packard
Cartridge Identifier	HP 60 – CC640WN, CC643WN
Cartridge Type	Integral ink supply and print head
Date Tested	7/23/2010 – 7/27/2010
EOL Criteria	Fade was used as the EOL criteria.
Print mode used	Continuous
Paper Size	Letter
Media used	Xerox Business 4200, 92 Brightness 20lb. weight
Driver version	Driver Version = 70.91.410.0

## Declaration of Yield

<p><b>Inkjet Cartridge Yield when tested in HP Deskjet F4580:</b></p> <p>Using the test suite defined in ISO/IEC 24712 provides the following results:  Average K (Black) Cartridge Yield – Up to 197 standard pages  Average Tri-color Cartridge Yield – Up to 157 standard pages</p> <p>Using the test page defined in ISO/IEC 19752 provides the following results:  Average K (Black) Cartridge Yield – Up to 194 standard pages  Estimated supplemental Tri-color Cartridge Yield – Up to 1,160 standard pages</p> <p>Values obtained by continuous printing. Declared yield values in accordance with ISO/IEC 24711</p>
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Using 24712 Test Suite						
Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
HP 60 (CC640WN)	K (Black)	199	3	197	9/12	Primary
HP 60 (CC643WN)	Tri-color	161	5	157	9/15	Primary

Using 19752 Test Page						
Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
HP 60 (CC640WN)	K (Black)	198	6	194	9/9	Primary
HP 60 (CC643WN)	Tri-color	1,230	41	1,160	3/3	Supplemental

<b>Printer Identifier</b>	<b>HP Deskjet F4580</b>
Printer Manufacturer	Hewlett Packard
Cartridge Identifier	HP 60 – CC640WN, CC643WN
Cartridge Type	Integral ink supply and print head
Date Tested	7/27/2010 – 7/28/2010
EOL Criteria	Fade was used as the EOL criteria.
Print mode used	Continuous
Paper Size	4" x 6" borderless photo on 8 ½" x 11" photo paper
Media used	HP Premium Plus Photo Paper, High Gloss (Q1785A)
Driver version	Driver Version = 70.91.410.0 The following driver settings were changed from default: Paper type =changed to HP Premium Plus Photo Papers from Plain paper

## Declaration of Yield

<p><b>Inkjet Cartridge Yield when tested in HP Deskjet F4580:</b></p> <p>Using the QualityLogic Color Photo test suite provides the following results:  Average Tri-Color Cartridge Yield – Up to 51 standard pages  Estimated supplemental K (Black) Cartridge Yield – Up to 1,512 standard pages</p> <p>Values obtained by continuous printing. Declared yield values in accordance with QualityLogic Color Photo Yield Test Methodology</p>
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Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
HP 60 (CC643WN)	Tri-Color	52	2	51	9/9	Primary
HP 60 (CC640WN)	K (Black)	1,577	38	1,512	3/3	Supplemental

Test results and cost information provided by QualityLogic. Tests were performed under laboratory conditions and end-user's results may vary. Test results, ink cartridge pricing and cost per page pricing subject to change without notice by QualityLogic. All test results and cost information are provided "as-is," "as available," and all warranties, expressed or implied, are hereby disclaimed. Users of the information contained herein assume full responsibility and risk of loss resulting from usage thereof.

<b>Printer Identifier</b>	<b>HP Officejet 6500 All-in-One</b>
Printer Manufacturer	Hewlett-Packard
Cartridge Identifier	HP 920XL - CD975AE, CD972AE, CD973AE, CD974AE
Cartridge Type	Separate ink supply and print head
Date Tested	5/8/09 - 5/20/09
EOL Criteria	This printer has Ink Out which stops printing. Whichever came first, either Ink Out or Fade, was used as the EOL criteria.
Print mode used	Continuous
Paper Size	A4
Media used	Hammermill Fore Multi-Purpose, 96 Brightness 20lb. weight
Driver version	Driver version = 70.82.15.0 The following driver settings were changed from default: Paper type = Changed to Plain paper from Automatic. Paper sizes = Changed to A4 from Letter.

## Declaration of Yield

<p><b>Inkjet Cartridge Yield when tested in HP Officejet 6500 All-in-One:</b></p> <p>Using the test suite defined in ISO/IEC 24712 provides the following results:  Average K (Black) Cartridge Yield – Up to 1,089 standard pages  Average Cyan Cartridge Yield – Up to 528 standard pages  Average Magenta Cartridge Yield – Up to 532 standard pages  Average Yellow Cartridge Yield – Up to 506 standard pages</p> <p>Using the test page defined in ISO/IEC 19752 provides the following results:  Average K (Black) Cartridge Yield – Up to 1,126 standard pages  Estimated supplemental Cyan Cartridge Yield – Up to 5,264 standard pages  Estimated supplemental Magenta Cartridge Yield – Up to 5,992 standard pages  Estimated supplemental Yellow Cartridge Yield – Up to 6,726 standard pages</p> <p>Values obtained by continuous printing. Declared yield values in accordance with ISO/IEC 24711</p>
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Using 24712 Test Suite						
Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
HP 920XL (CD975AE)	K (Black)	1,091	4	1,089	9/12	Primary
HP 920XL (CD972AE)	Cyan	531	6	528	18/24	Primary
HP 920XL (CD973AE)	Magenta	535	8	532	18/24	Primary
HP 920XL (CD974AE)	Yellow	509	8	506	18/24	Primary

Using 19752 Test Page						
Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
HP 920XL (CD975AE)	K (Black)	1,130	5	1,126	9/9	Primary
HP 920XL (CD972AE)	Cyan	5,531	158	5,264	3/3	Supplemental
HP 920XL (CD973AE)	Magenta	6,204	126	5,992	3/3	Supplemental
HP 920XL (CD974AE)	Yellow	7,081	211	6,726	3/3	Supplemental

Test results and cost information provided by QualityLogic. Tests were performed under laboratory conditions and end-user's results may vary. Test results, ink cartridge pricing and cost per page pricing subject to change without notice by QualityLogic. All test results and cost information are provided "as-is," "as available," and all warranties, expressed or implied, are hereby disclaimed. Users of the information contained herein assume full responsibility and risk of loss resulting from usage thereof.

<b>Printer Identifier</b>	<b>HP Officejet 6500 All-in-One</b>
Printer Manufacturer	Hewlett-Packard
Cartridge Identifier	HP 920XL - CD975AE, CD972AE, CD973AE, CD974AE
Cartridge Type	Separate ink supply and print head
Date Tested	5/20/09 - 5/22/09
EOL Criteria	This printer has Ink Out which stops printing. Whichever came first, either Ink Out or Fade, was used as the EOL criteria.
Print mode used	Continuous
Paper Size	4" x 6" borderless photo on 210 x 297mm photo paper
Media used	HP Premium Plus Photo Paper, Q1786A
Driver version	Driver version = 70.82.15.0 The following driver settings were changed from default: Paper type = Changed to HP Premium Plus Photo Papers from Automatic. Print quality = Changed to Best from Automatic Paper sizes = Changed to A4 from Letter.

## Declaration of Yield

<p><b>Inkjet Cartridge Yield when tested in HP Officejet 6500 All-in-One:</b></p> <p>Using the QualityLogic Color Photo test suite provides the following results:  Average Cyan Cartridge Yield – Up to 148 standard pages  Average Magenta Cartridge Yield – Up to 206 standard pages  Average Yellow Cartridge Yield – Up to 159 standard pages  Estimated supplemental K (Black) Cartridge Yield – Up to 7,487 standard pages</p> <p>Values obtained by continuous printing. Declared yield values in accordance with QualityLogic Color Photo Yield Test Methodology</p>
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Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
HP 920XL (CD972AE)	Cyan	150	3	148	12/15	Primary
HP 920XL (CD973AE)	Magenta	206	1	206	9/9	Primary
HP 920XL (CD974AE)	Yellow	159	-	159	9/12	Primary
HP 920XL (CD975AE)	K (Black)	8,106	367	7,487	3/3	Supplemental

<b>Printer Identifier</b>	<b>HP Officejet J4680</b>
Printer Manufacturer	Hewlett-Packard
Cartridge Identifier	HP 901 - CC653AN, CC656AN
Cartridge Type	Integral ink supply and print head
Date Tested	10/15/09 – 10/23/09
EOL Criteria	Fade was used as the EOL criteria.
Print mode used	Continuous
Paper Size	Letter
Media used	Xerox Business 4200, 92 Brightness 20lb. weight
Driver version	Driver Version = 61.73.243.0 The following driver settings were changed from default: Minimize margins (Advanced tab) changed to On from Off

## Declaration of Yield

### Inkjet Cartridge Yield when tested in HP Officejet J4680:

Using the test suite defined in ISO/IEC 24712 provides the following results:

Average K (Black) Cartridge Yield – Up to 199 standard pages

Average Tri-color Cartridge Yield – Up to 342 standard pages

Using the test page defined in ISO/IEC 19752 provides the following results:

Average K (Black) Cartridge Yield – Up to 203 standard pages

Estimated supplemental Tri-color Cartridge Yield – Up to 2,458 standard pages

Values obtained by continuous printing. Declared yield values in accordance with ISO/IEC 24711

Using 24712 Test Suite						
Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
HP 901 (CC653AN)	K (Black)	202	5	199	15/21	Primary
HP 901 (CC656AN)	Tri-color	344	4	342	9/12	Primary

Using 19752 Test Page						
Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
HP 901 (CC653AN)	K (Black)	207	6	203	9/9	Primary
HP 901 (CC656AN)	Tri-color	2,634	104	2,458	3/3	Supplemental

<b>Printer Identifier</b>	<b>HP Officejet J4680</b>
Printer Manufacturer	Hewlett-Packard
Cartridge Identifier	HP 901 - CC653AN, CC656AN
Cartridge Type	Integral ink supply and print head
Date Tested	10/23/09 – 10/28/09
EOL Criteria	Fade was used as the EOL criteria.
Print mode used	Continuous
Paper Size	4" x 6" borderless photo on 8 ½" x 11" photo paper
Media used	HP Premium Plus Photo Paper, High Gloss (Q1785A)
Driver version	Driver Version = 61.73.243.0 The following driver settings were changed from default: Paper type = Changed to HP Premium Plus Photo Papers from Plain paper

## Declaration of Yield

### Inkjet Cartridge Yield when tested in HP Officejet J4680:

Using the QualityLogic Color Photo test suite provides the following results:

Average Tri-color Cartridge Yield – Up to 110 standard pages

Estimated supplemental K (Black) Cartridge Yield – Up to 1,772 standard pages

Values obtained by continuous printing. Declared yield values in accordance with QualityLogic Color Photo Yield Test Methodology

Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
HP 901 (CC656AN)	Tri-color	111	2	110	9/9	Primary
HP 901 (CC653AN)	K (Black)	1,797	15	1,772	3/3	Supplemental

<b>Printer Identifier</b>	<b>HP Photosmart Plus e-AIO B210A</b>
Printer Manufacturer	Hewlett Packard
Cartridge Identifier	HP 564 – CB316WN, CB318WN, CB319WN, CB320WN
Cartridge Type	Separate ink supply and print head
Date Tested	11/4/2010 – 11/10/2010
EOL Criteria	Fade was used as the EOL criteria.
Print mode used	Continuous
Paper Size	Letter
Media used	Xerox Business 4200, 92 Brightness 20lb. weight
Driver version	Driver Version = 04.35.01.800

## Declaration of Yield

### Inkjet Cartridge Yield when tested in HP Photosmart Plus e B210a:

Using the test suite defined in ISO/IEC 24712 provides the following results:

Average K (Black) Cartridge Yield – Up to 284 standard pages

Average Cyan Cartridge Yield – Up to 261 standard pages

Average Magenta Cartridge Yield – Up to 262 standard pages

Average Yellow Cartridge Yield – Up to 260 standard pages

Using the test page defined in ISO/IEC 19752 provides the following results:

Average K (Black) Cartridge Yield – Up to 277 standard pages

Estimated supplemental Cyan Cartridge Yield – Up to 2,099 standard pages

Estimated supplemental Magenta Cartridge Yield – Up to 2,437 standard pages

Estimated supplemental Yellow Cartridge Yield – Up to 2,682 standard pages

Values obtained by continuous printing. Declared yield values in accordance with ISO/IEC 24711

Using 24712 Test Suite						
Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
HP 564 (CB316WN)	K (Black)	299	24	284	9/12	Primary
HP 564 (CB318WN)	Cyan	269	13	261	9/15	Primary
HP 564 (CB319WN)	Magenta	269	12	262	9/15	Primary
HP 564 (CB320WN)	Yellow	268	14	260	9/15	Primary

Using 19752 Test Page						
Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
HP 564 (CB316WN)	K (Black)	297	33	277	9/9	Primary
HP 564 (CB318WN)	Cyan	2,272	102	2,099	3/3	Supplemental
HP 564 (CB319WN)	Magenta	2,552	69	2,437	3/3	Supplemental
HP 564 (CB320WN)	Yellow	2,820	82	2,682	3/3	Supplemental

<b>Printer Identifier</b>	<b>HP Photosmart Plus e B210a</b>
Printer Manufacturer	Hewlett Packard
Cartridge Identifier	HP 564 – CB316WN, CB318WN, CB319WN, CB320WN
Cartridge Type	Separate ink supply and print head
Date Tested	11/10/2010 – 11/11/2010
EOL Criteria	Fade was used as the EOL criteria.
Print mode used	Continuous
Paper Size	4" x 6" borderless photo on 8 ½" x 11" photo paper
Media used	HP Premium Plus Photo Paper, High Gloss (Q1785A)
Driver version	Driver Version = 04.35.01.800 The following driver settings were changed from default: Media = Changed to HP Premium Plus Photo Papers from Plain Paper Quality Settings = Changed to Best from Normal

## Declaration of Yield

<p><b>Inkjet Cartridge Yield when tested in HP Photosmart Plus e B210a:</b></p> <p>Using the QualityLogic Color Photo test suite provides the following results:</p> <ul style="list-style-type: none"> <li>Average Cyan Cartridge Yield – Up to 84 standard pages</li> <li>Average Magenta Cartridge Yield – Up to 105 standard pages</li> <li>Average Yellow Cartridge Yield – Up to 84 standard pages</li> <li>Estimated supplemental K (Black) Cartridge Yield – Up to 1,473 standard pages</li> </ul> <p>Values obtained by continuous printing. Declared yield values in accordance with QualityLogic Color Photo Yield Test Methodology</p>
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Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
HP 564 (CB318WN)	Cyan	86	4	84	11/14	Primary
HP 564 (CB319WN)	Magenta	116	18	105	9/9	Primary
HP 564 (CB320WN)	Yellow	87	5	84	11/13	Primary
HP 564 (CB316WN)	K (Black)	1,561	52	1,473	3/3	Supplemental

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<b>Printer Identifier</b>	<b>HP Photosmart C4780</b>
Printer Manufacturer	Hewlett-Packard
Cartridge Identifier	HP60 - CC640WN, CC643WN
Cartridge Type	Integral ink supply and print head
Date Tested	10/15/09 – 10/21/09
EOL Criteria	Fade was used as the EOL criteria.
Print mode used	Continuous
Paper Size	Letter
Media used	Xerox Business 4200, 92 Brightness 20lb. weight
Driver version	Driver Version = 70.91.312.0

## Declaration of Yield

### Inkjet Cartridge Yield when tested in HP Photosmart C4780:

Using the test suite defined in ISO/IEC 24712 provides the following results:

Average K (Black) Cartridge Yield – Up to 196 standard pages

Average Tri-color Cartridge Yield – Up to 158 standard pages

Using the test page defined in ISO/IEC 19752 provides the following results:

Average K (Black) Cartridge Yield – Up to 202 standard pages

Estimated supplemental Tri-color Cartridge Yield – Up to 1,178 standard pages

Values obtained by continuous printing. Declared yield values in accordance with ISO/IEC 24711

Using 24712 Test Suite						
Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
HP 60 (CC640WN)	K (Black)	198	4	196	9/12	Primary
HP 60 (CC643WN)	Tri-color	163	7	158	9/15	Primary

Using 19752 Test Page						
Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
HP 60 (CC640WN)	K (Black)	204	4	202	9/9	Primary
HP 60 (CC643WN)	Tri-color	1,215	22	1,178	3/3	Supplemental

<b>Printer Identifier</b>	<b>HP Photosmart C4780</b>
Printer Manufacturer	Hewlett-Packard
Cartridge Identifier	HP60 - CC640WN, CC643WN
Cartridge Type	Integral ink supply and print head
Date Tested	10/22/09 – 10/23/09
EOL Criteria	Fade was used as the EOL criteria.
Print mode used	Continuous
Paper Size	4" x 6" borderless photo on 8 ½" x 11" photo paper
Media used	HP Premium Plus Photo Paper, High Gloss (Q1785A)
Driver version	Driver Version = 70.91.312.0 The following driver settings were changed from default: Paper type = Changed to HP Premium Plus Photo Papers from Plain paper

## Declaration of Yield

### Inkjet Cartridge Yield when tested in HP Photosmart C4780:

Using the QualityLogic Color Photo test suite provides the following results:

Average Tri-color Cartridge Yield – Up to 50 standard pages

Estimated supplemental K (Black) Cartridge Yield – Up to 1,451 standard pages

Values obtained by continuous printing. Declared yield values in accordance with QualityLogic Color Photo Yield Test Methodology

Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
HP 60 (CC643WN)	Tri-color	51	1	50	9/9	Primary
HP 60 (CC640WN)	K (Black)	1,505	32	1,451	3/3	Supplemental

<b>Printer Identifier</b>	<b>HP Photosmart Premium</b>
Printer Manufacturer	Hewlett Packard
Cartridge Identifier	HP 564 – CB316WN, CB318WN, CB319WN, CB320WN, CB317WN
Cartridge Type	Separate ink supply and print head
Date Tested	3/26/2010 – 3/30/2010
EOL Criteria	Fade was used as the EOL criteria.
Print mode used	Continuous
Paper Size	Letter
Media used	Xerox Business 4200, 92 Brightness 20lb. weight
Driver version	Driver Version = 70.101.203.0 The following driver settings were changed from default: Paper type = Changed to Plain paper from Automatic

## Declaration of Yield

### Inkjet Cartridge Yield when tested in HP Photosmart Premium:

Using the test suite defined in ISO/IEC 24712 provides the following results:

- Average K (Black) Cartridge Yield – Up to 298 standard pages
- Average Cyan Cartridge Yield – Up to 278 standard pages
- Average Magenta Cartridge Yield – Up to 278 standard pages
- Average Yellow Cartridge Yield – Up to 278 standard pages
- Estimated supplemental K (Photo Black) Cartridge Yield – Up to 1,894 standard pages

Using the test page defined in ISO/IEC 19752 provides the following results:

- Average K (Black) Cartridge Yield – Up to 344 standard pages
- Estimated supplemental Cyan Cartridge Yield – Up to 2,513 standard pages
- Estimated supplemental Magenta Cartridge Yield – Up to 2,924 standard pages
- Estimated supplemental Yellow Cartridge Yield – Up to 3,239 standard pages
- Estimated supplemental K (Photo Black) Cartridge Yield – Up to 6,593 standard pages

Values obtained by continuous printing. Declared yield values in accordance with ISO/IEC 24711

Using 24712 Test Suite						
Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
HP 564 (CB316WN)	K (Black)	313	24	298	9/12	Primary
HP 564 (CB318WN)	Cyan	285	11	278	9/15	Primary
HP 564 (CB319WN)	Magenta	285	11	278	9/15	Primary
HP 564 (CB320WN)	Yellow	285	11	278	9/15	Primary
HP 564 (CB317WN)	K (Photo Black)	2,092	117	1,894	3/6	Supplemental

Using 19752 Test Page						
Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
HP 564 (CB316WN)	K (Black)	355	19	344	9/9	Primary
HP 564 (CB318WN)	Cyan	2,629	69	2,513	3/3	Supplemental
HP 564 (CB319WN)	Magenta	3,039	68	2,924	3/3	Supplemental
HP 564 (CB320WN)	Yellow	3,502	156	3,239	3/3	Supplemental
HP 564 (CB317WN)	K (Photo Black)	7,266	399	6,593	3/3	Supplemental

Test results and cost information provided by QualityLogic. Tests were performed under laboratory conditions and end-user's results may vary. Test results, ink cartridge pricing and cost per page pricing subject to change without notice by QualityLogic. All test results and cost information are provided "as-is," "as available," and all warranties, expressed or implied, are hereby disclaimed. Users of the information contained herein assume full responsibility and risk of loss resulting from usage thereof.

<b>Printer Identifier</b>	<b>HP Photosmart Premium</b>
Printer Manufacturer	Hewlett Packard
Cartridge Identifier	HP 564 - CB316WN, CB318WN, CB319WN, CB320WN, CB317WN
Cartridge Type	Separate ink supply and print head
Date Tested	3/31/2010 - 4/2/2010
EOL Criteria	Fade was used as the EOL criteria.
Print mode used	Continuous
Paper Size	4" x 6" borderless photo on 8 1/2" x 11" photo paper
Media used	HP Premium Plus Photo Paper, High Gloss (Q1785A)
Driver version	Driver Version = 70.101.203.0 The following driver settings were changed from default: Paper type = Changed to HP Premium Plus Photo Papers from Automatic Print quality = Changed to Best from Automatic

## Declaration of Yield

<b>Inkjet Cartridge Yield when tested in HP Photosmart Premium:</b>
Using the QualityLogic Color Photo test suite provides the following results: Average Cyan Cartridge Yield - Up to 97 standard pages Average Magenta Cartridge Yield - Up to 185 standard pages Average Yellow Cartridge Yield - Up to 132 standard pages Average K (Photo Black) Cartridge Yield - Up to 147 standard pages Estimated supplemental K (Black) Cartridge Yield - Up to 1,999 standard pages
Values obtained by continuous printing. Declared yield values in accordance with QualityLogic Color Photo Yield Test Methodology

Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
HP 564 (CB318WN)	Cyan	103	12	97	15/18	Primary
HP 564 (CB319WN)	Magenta	194	15	185	9/9	Primary
HP 564 (CB320WN)	Yellow	138	12	132	12/15	Primary
HP 564 (CB317WN)	K (Photo Black)	161	22	147	9/12	Primary
HP 564 (CB316WN)	K (Black)	2,197	118	1,999	3/3	Supplemental

Test results and cost information provided by QualityLogic. Tests were performed under laboratory conditions and end-user's results may vary. Test results, ink cartridge pricing and cost per page pricing subject to change without notice by QualityLogic. All test results and cost information are provided "as-is," "as available," and all warranties, expressed or implied, are hereby disclaimed. Users of the information contained herein assume full responsibility and risk of loss resulting from usage thereof.

<b>Printer Identifier</b>	<b>Lexmark Prevail Pro705</b>
Printer Manufacturer	Lexmark
Cartridge Identifier	100 series
Cartridge Type	Separate ink supply and print head
Date Tested	10/28/09 – 11/6/09
EOL Criteria	This printer has Ink Out which stops printing. Whichever came first, either Ink Out or Fade, was used as the EOL criteria.
Print mode used	Continuous
Paper Size	Letter
Media used	Xerox Business 4200, 92 Brightness 20lb. weight
Driver version	Driver Version = 1.2.0.0 The following driver settings were changed from default: Color Ink: Paper Type = Changed to Plain Paper from Automatic Mono Ink: Paper Type = Changed to Plain Paper from Automatic Print using black ink only was enabled under Ink Use

## Declaration of Yield

### Inkjet Cartridge Yield when tested in Lexmark Prevail Pro705:

Using the test suite defined in ISO/IEC 24712 provides the following results:

- Average K (Black) Cartridge Yield – Up to 239 standard pages
- Average Cyan Cartridge Yield – Up to 286 standard pages
- Average Magenta Cartridge Yield – Up to 237 standard pages
- Average Yellow Cartridge Yield – Up to 269 standard pages

Using the test page defined in ISO/IEC 19752 provides the following results:

- Average K (Black) Cartridge Yield – Up to 260 standard pages
- Estimated supplemental Cyan Cartridge Yield – Up to 2,826 standard pages
- Estimated supplemental Magenta Cartridge Yield – Up to 2,903 standard pages
- Estimated supplemental Yellow Cartridge Yield – Up to 2,906 standard pages

Values obtained by continuous printing. Declared yield values in accordance with ISO/IEC 24711

Using 24712 Test Suite						
Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
100 Black	K (Black)	246	12	239	9/15	Primary
100 Cyan	Cyan	291	9	286	9/12	Primary
100 Magenta	Magenta	244	12	237	9/15	Primary
100 Yellow	Yellow	272	4	269	9/15	Primary

Using 19752 Test Page						
Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
100 Black	K (Black)	264	7	260	9/9	Primary
100 Cyan	Cyan	3,119	174	2,826	3/3	Supplemental
100 Magenta	Magenta	3,250	206	2,903	3/3	Supplemental
100 Yellow	Yellow	3,327	250	2,906	3/3	Supplemental

<b>Printer Identifier</b>	<b>Lexmark Prevail Pro705</b>
Printer Manufacturer	Lexmark
Cartridge Identifier	100 series
Cartridge Type	Separate ink supply and print head
Date Tested	11/6/09 – 11/10/09
EOL Criteria	This printer has Ink Out which stops printing. Whichever came first, either Ink Out or Fade, was used as the EOL criteria.
Print mode used	Continuous
Paper Size	4" x 6" borderless photo on 8 ½" x 11" photo paper
Media used	Lexmark PerfectFinish Photo Paper, High Gloss (19Y0170)
Driver version	Driver Version = 1.2.0.0 The following driver settings were changed from default: Paper Type = Changed to Lexmark Perfectfinish Photo Paper from Automatic Print Setup = Changed to Best from Automatic

## Declaration of Yield

### Inkjet Cartridge Yield when tested in Lexmark Prevail Pro705:

Using the QualityLogic Color Photo test suite provides the following results:

- Average Cyan Cartridge Yield – Up to 67 standard pages
- Average Magenta Cartridge Yield – Up to 80 standard pages
- Average Yellow Cartridge Yield – Up to 87 standard pages
- Estimated supplemental K (Black) Cartridge Yield – Up to 584 standard pages

Values obtained by continuous printing. Declared yield values in accordance with QualityLogic Color Photo Yield Test Methodology

Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
100 Cyan	Cyan	69	3	67	10/12	Primary
100 Magenta	Magenta	83	5	80	9/12	Primary
100 Yellow	Yellow	91	6	87	9/9	Primary
100 Black	K (Black)	633	29	584	3/3	Supplemental

<b>Printer Identifier</b>	<b>Lexmark X5470</b>
Printer Manufacturer	Lexmark
Cartridge Identifier	32, 33
Cartridge Type	Integral ink supply and print head
Date Tested	10/22/07 – 10/29/07
EOL Criteria	Fade was used as the EOL criteria.
Print mode used	Continuous
Paper Size	Letter
Media used	Xerox Business 4200, 92 Brightness 20lb. weight
Driver version	Driver Version = 3.117.0.0 The following driver settings were changed from default: Paper Type = Changed to Plain from Sensed

## Declaration of Yield

### Inkjet Cartridge Yield when tested in Lexmark X5470:

Using the test suite defined in ISO/IEC 24712 provides the following results:

Average K (Black) Cartridge Yield – Up to 274 standard pages

Average Tri-Color Cartridge Yield – Up to 272 standard pages

Using the test page defined in ISO/IEC 19752 provides the following results:

Average K (Black) Cartridge Yield – Up to 287 standard pages

Estimated supplemental Tri-Color Cartridge Yield – Up to 2,504 standard pages

Values obtained by continuous printing. Declared yield values in accordance with ISO/IEC 24711

#### Using 24712 Test Suite

Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
32 (18C0032)	K (Black)	287	20	274	9/15	Primary
33 (18C0033)	Tri-color	287	24	272	9/14	Primary

#### Using 19752 Test Page

Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
32 (18C0032)	K (Black)	300	20	287	9/10	Primary
33 (18C0033)	Tri-color	2,684	107	2,504	3/3	Supplemental

<b>Printer Identifier</b>	<b>Lexmark X5470</b>
Printer Manufacturer	Lexmark
Cartridge Identifier	32, 33
Cartridge Type	Integral ink supply and print head
Date Tested	10/30/07 – 11/5/07
EOL Criteria	Fade was used as the EOL criteria.
Print mode used	Continuous
Paper Size	4" x 6" borderless photo on 8 1/2" x 11" photo paper
Media used	Lexmark Premium Photo Paper (21G1740)
Driver version	Driver Version = 3.117.0.0 The following driver settings were changed from default: Quality = Changed to Photo from Automatic Type = Changed to Lexmark Premium Photo Paper from Sensed

## Declaration of Yield

### Inkjet Cartridge Yield when tested in Lexmark X5470:

Using the QualityLogic Color Photo test suite provides the following results:

Average Tri-color Cartridge Yield – Up to 71 standard pages

Estimated supplemental K (Black) Cartridge Yield – Up to 4,378 standard pages

Values obtained by continuous printing. Declared yield values in accordance with QualityLogic Color Photo Yield Test Methodology

Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
33 (18C0033)	Tri-color	73	6	71	26/28	Primary
32 (18C0032)	K (Black)	5,420	618	4,378	3/3	Supplemental

# Appendix C: Test Pages

## ISO/IEC 24712 Test Suite

Stephen J. Siegel  
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LSA  
Print Solutions

27 January 2014

Andrew Q. Madley  
2415 South Dover Lane  
Buckeye, AZ

Mr. Madley:

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Stephen J. Siegel  
Falsch, Nigel Ahrens  
Tulsa, OK  
USA

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Item	Price	Quantity	Total
Item 1	1.00	100	100.00
Item 2	2.00	50	100.00
Item 3	3.00	33	99.00
Item 4	4.00	25	100.00
Item 5	5.00	20	100.00
Item 6	6.00	17	102.00
Item 7	7.00	14	98.00
Item 8	8.00	13	104.00
Item 9	9.00	11	99.00
Item 10	10.00	10	100.00

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## ISO/IEC 19752 Test Page

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27 January 2014

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Non. Dolor tempor con volutpat elit. Ut enim ad minima veniam, quis nostrum exercitationem ullam corporis suscipit laboriosam, nisi ut aliquid ex ea commodi consequatur. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

Stephen J. Siegel  
Falsch, Nigel Ahrens  
Tulsa, OK  
USA

Test results and cost information provided by QualityLogic. Tests were performed under laboratory conditions and end-user's results may vary. Test results, ink cartridge pricing and cost per page pricing subject to change without notice by QualityLogic. All test results and cost information are provided "as-is," "as available," and all warranties, expressed or implied, are hereby disclaimed. Users of the information contained herein assume full responsibility and risk of loss resulting from usage thereof.

## QualityLogic Photo Test Suite

