

HP Officejet Pro X476dw vs. Laser Printers

TEST OBJECTIVE

Buyers Laboratory LLC (BLI), Hackensack, NJ, was commissioned by Hewlett-Packard Company to conduct a test comparing the total supplies waste generated by the HP Officejet Pro X476dw vs. the Brother MFC-9460CDN, Brother MFC-9970CDW and Lexmark X544n after printing 15,000 impressions.

TEST METHODOLOGY

For each device, BLI weighed all consumables (which in this case consisted only of ink and toner cartridges), and consumables packaging after printing 15,000 impressions. The end-of-life weight of the cartridges and consumables packaging per device was then multiplied by the number of cartridges required to produce 15,000 impressions. All testing was based on the highest capacity cartridge available for each device and running each cartridge to end of life by using BLI's 40% CMYK test target.

PERFORMANCE OVERVIEW

BLI's tests demonstrated that the total waste generated by the HP Officejet Pro X476dw in terms of used cartridges and cartridge packaging weight was dramatically lower than the supplies waste produced by the tested color laser devices. In fact, the total overall weight of the HP Officejet Pro X476dw's empty cartridges and packaging was 88% lower than the overall average of all three laser units tested.

Total Consumables Waste Generated at 15,000 Impressions

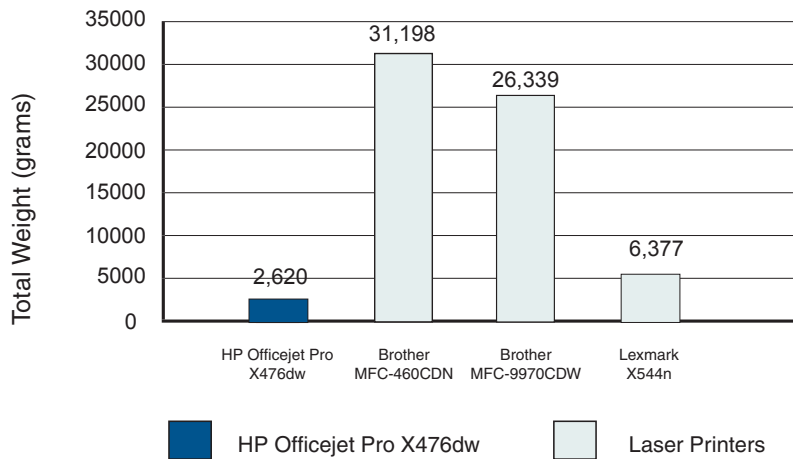
(Based on 40% page coverage)

The HP Officejet Pro X476dw's total weight of all cartridges and cartridge packaging required to print 15,000 impressions was just 2,620g. The results for the Brother MFC-9460CDN were 31,198g—11.9x greater than that of the Officejet Pro X476dw—while the results for the Brother MFC-9970CDW were 26,339g (10.1x greater). The Lexmark X544n weighed in at 6,377g (2.4x greater).

	Cyan	Magenta	Yellow	Black	Total Weight (g)	Total Supplies Waste Weight Increase Over HP	Percent of Waste Weight Greater than HP
HP Officejet Pro X476dw	614	614	788	604	2,620		
Brother MFC-9460CDN	6,186	10,071	10,325	4,616	31,198	11.9x Greater	92%
Brother MFC-9970CDW	5,405	7,748	8,568	4,618	26,339	10.1x Greater	90%
Lexmark X544n	1,610	1,642	1,630	1,495	6,377	2.4x Greater	59%

* Weights include depleted cartridges and consumables packaging accumulated after 15,000 impressions.

TOTAL CONSUMABLES WASTE (G)



About Buyers Laboratory

Since 1961, Buyers Laboratory LLC (BLI) has been the leading global independent office-equipment test lab and business consumer advocate. In addition to publishing the industry's most comprehensive and accurate test reports on office document imaging devices, each representing months of exhaustive hands-on testing in BLI's US and UK laboratories, the company has been the leading source for extensive runnability testing on imaging media and consumables, as well as extensive specifications/pricing databases on MFPs, printers, scanners and fax machines. BLI also has a long-standing reputation for being the industry's most trustworthy and complete source for quality testing services and global competitive intelligence.

In addition to testing over 200 office machines and related consumables annually for its subscribers, BLI provides consulting services to buyers and a range of private testing services that include document imaging device beta and pre-launch testing, performance certification testing, consumables testing (including toner, ink and photoconductors), solutions evaluations, and imaging media runnability testing.

For more information on BLI, call (201) 488-0404, visit www.buyerslab.com, or e-mail info@buyerslab.com.