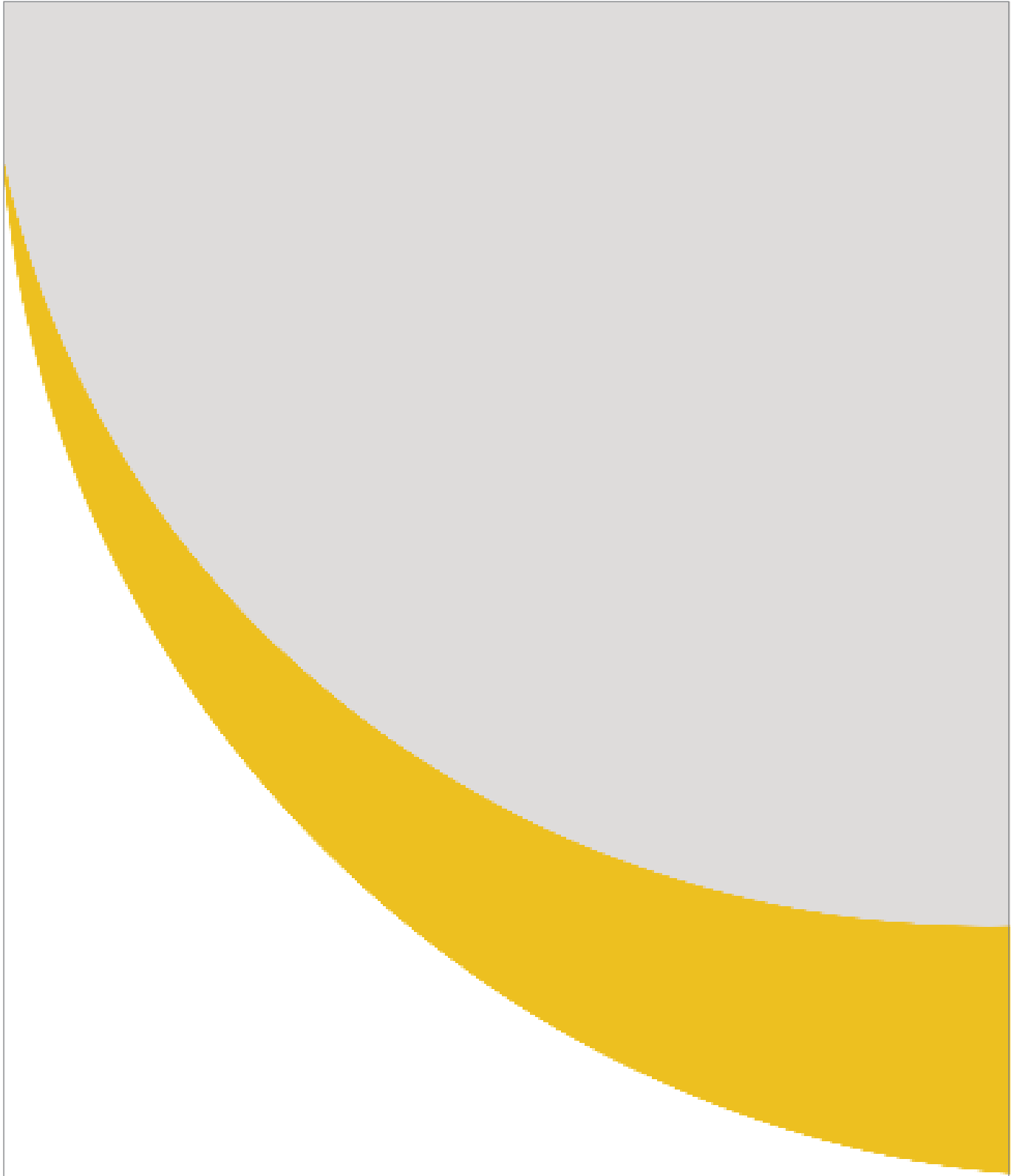# Ad-Aware
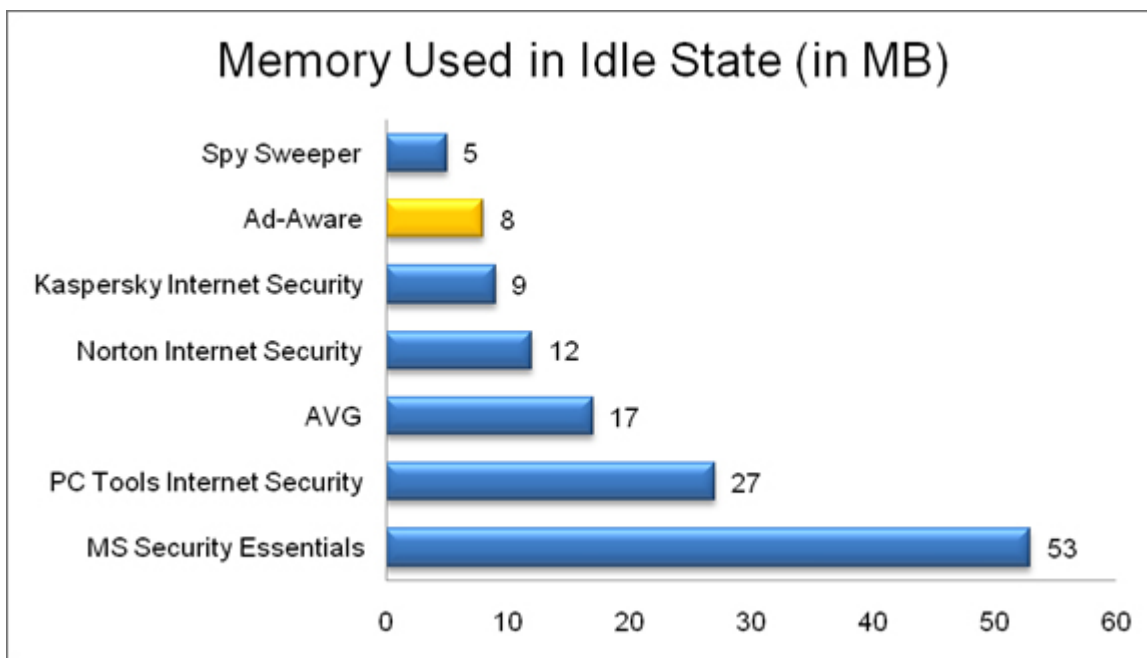
Performance and Clean-up Challenge
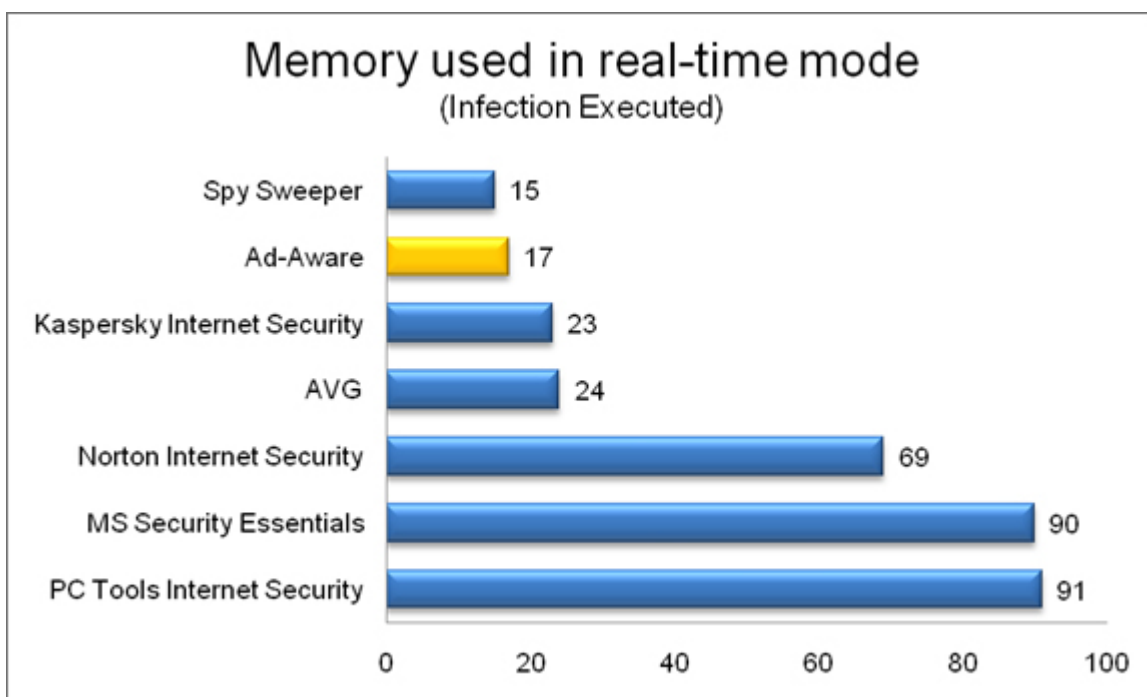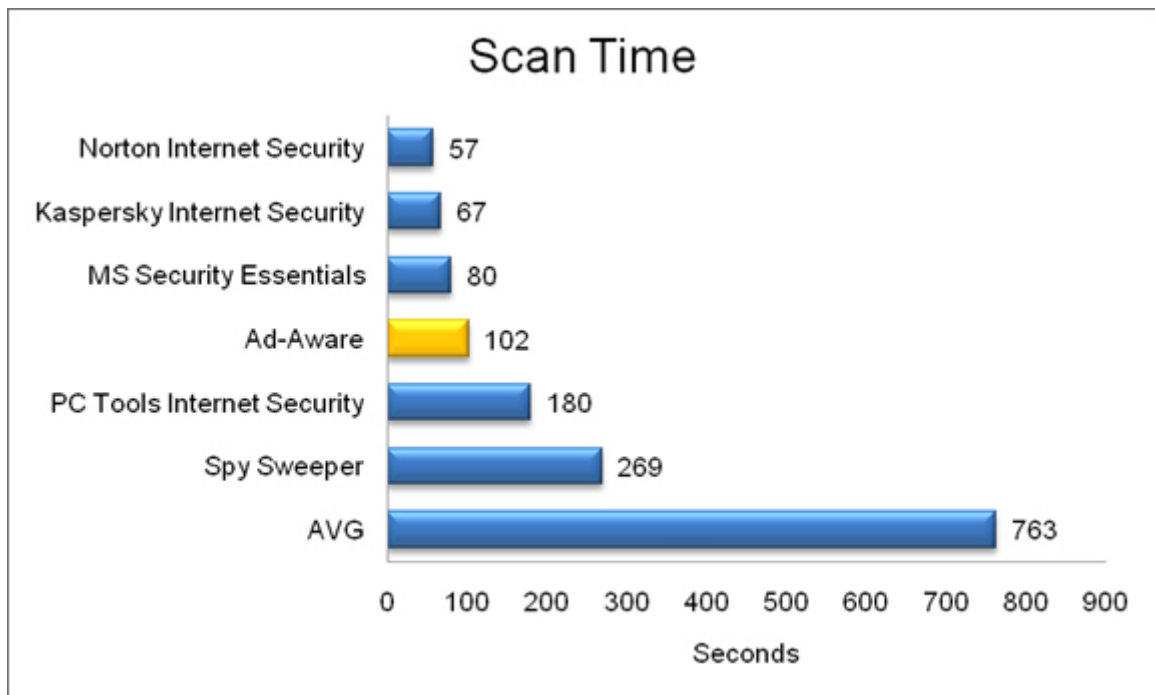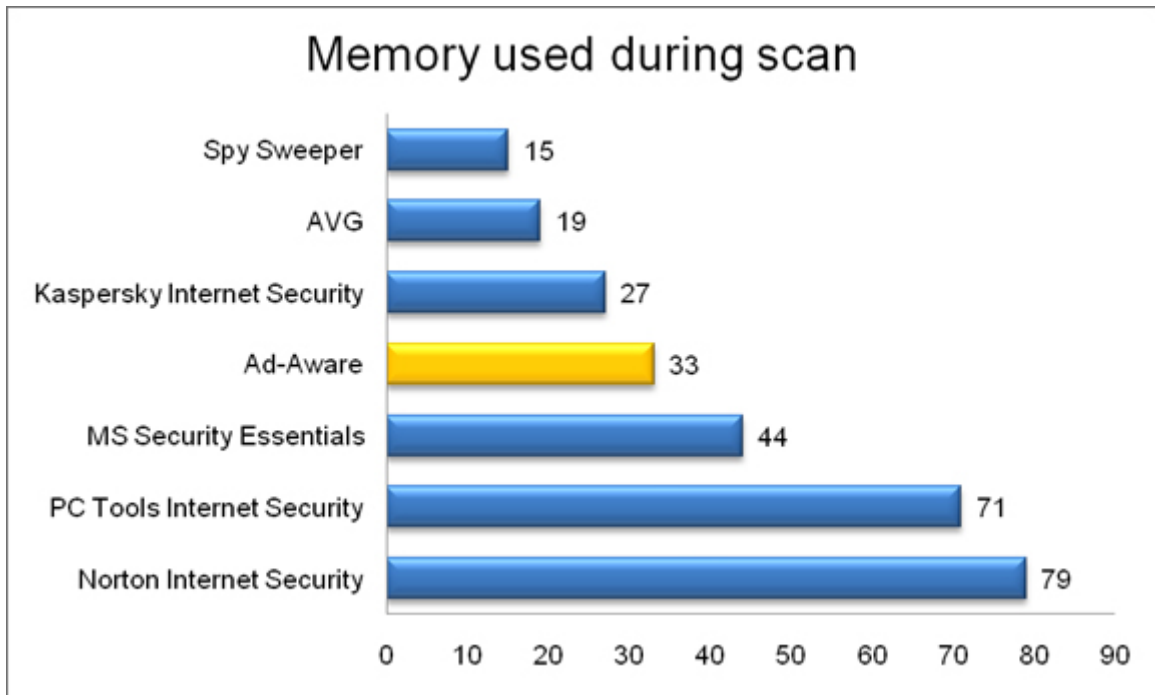
Performance Comparison

In January 2010, Lavasoft AB performed extensive research to gain understanding of the performance and amount of resources used by popular anti-virus/anti-spyware products on the market today. We know customers are looking for faster and lighter products, while still not compromising the security of their PC's. By focusing on core consumer needs, Ad-Aware provides advanced threat protection, and is significantly lighter and faster than our previous versions (and than many of our competitors.)

The charts below show the results of these tests. The test configuration and the specific versions of the software are listed after the graphs.

Memory Used in Idle State (in MB)

Product	Value
Spy Sweeper	5
Ad-Aware	8
Kaspersky Internet Security	9
Norton Internet Security	12
AVG	17
PC Tools Internet Security	27
MS Security Essentials	53

The smaller the number, the better.

Memory used in real-time mode
(Infection Executed)

Product	Value
Spy Sweeper	15
Ad-Aware	17
Kaspersky Internet Security	23
AVG	24
Norton Internet Security	69
MS Security Essentials	90
PC Tools Internet Security	91

Memory used during scan

Product	Value
Spy Sweeper	15
AVG	19
Kaspersky Internet Security	27
Ad-Aware	33
MS Security Essentials	44
PC Tools Internet Security	71
Norton Internet Security	79

Scan Time

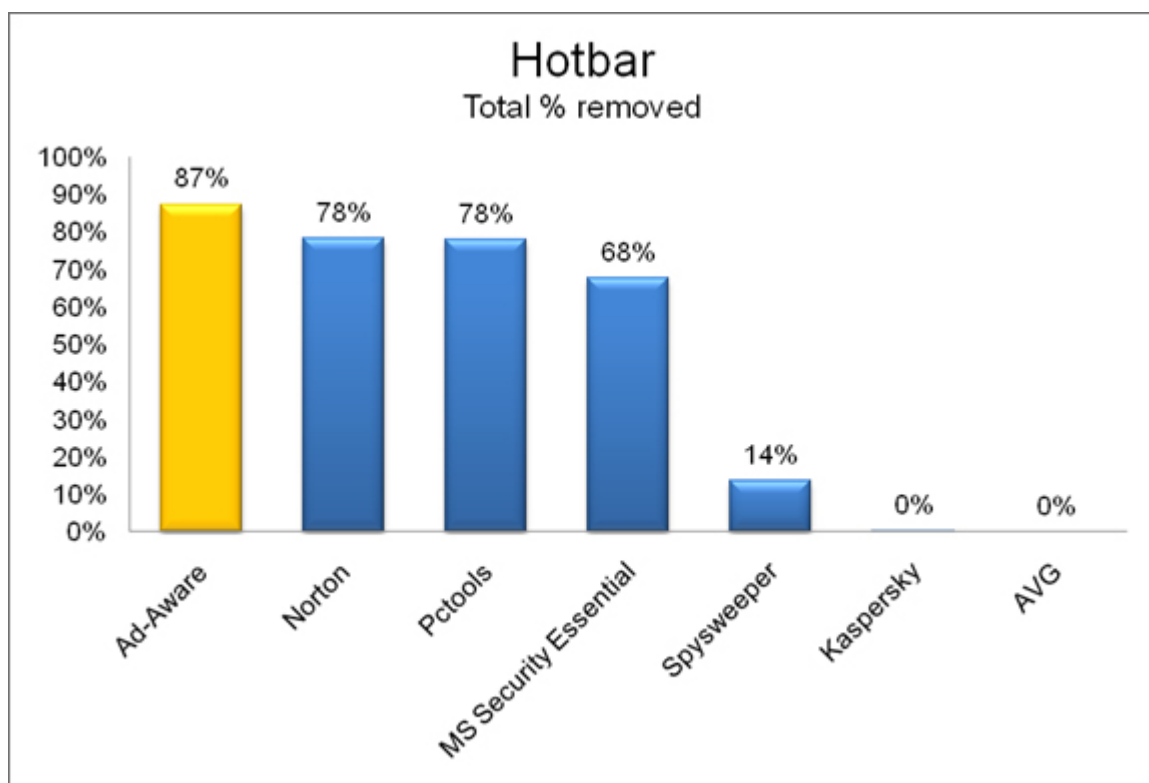| Product	Seconds
Norton Internet Security	57
Kaspersky Internet Security	67
MS Security Essentials	80
Ad-Aware	102
PC Tools Internet Security	180
Spy Sweeper	269
AVG	763

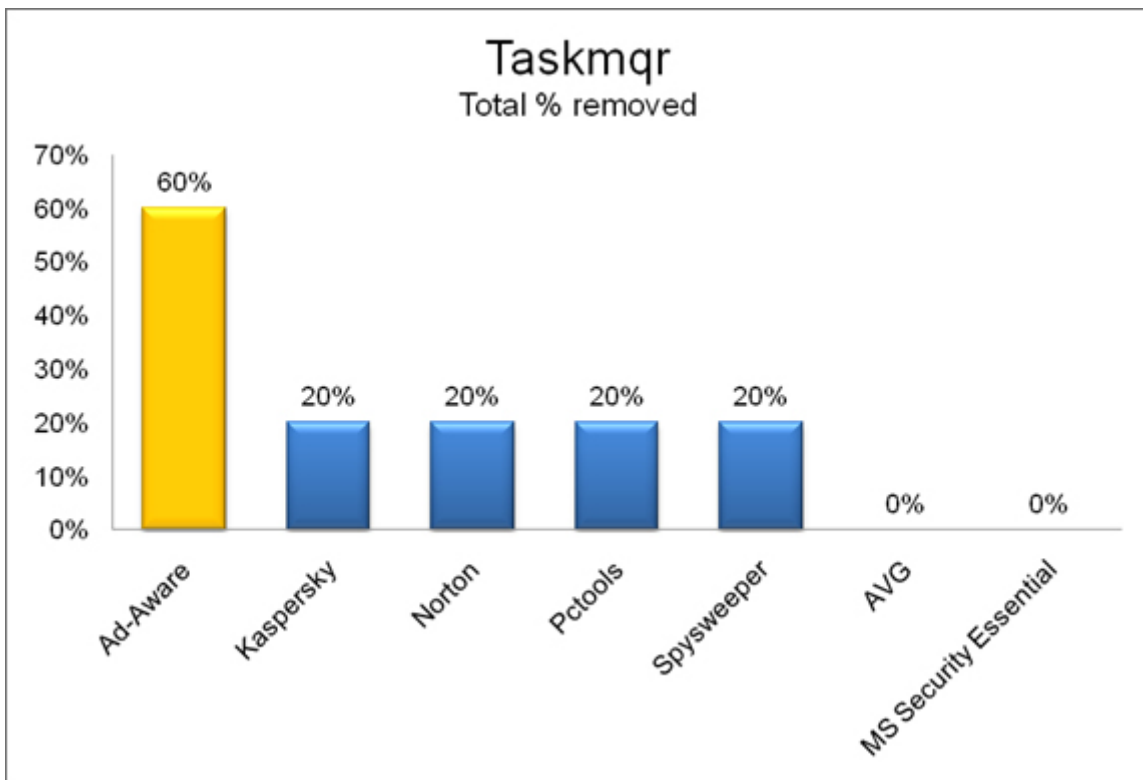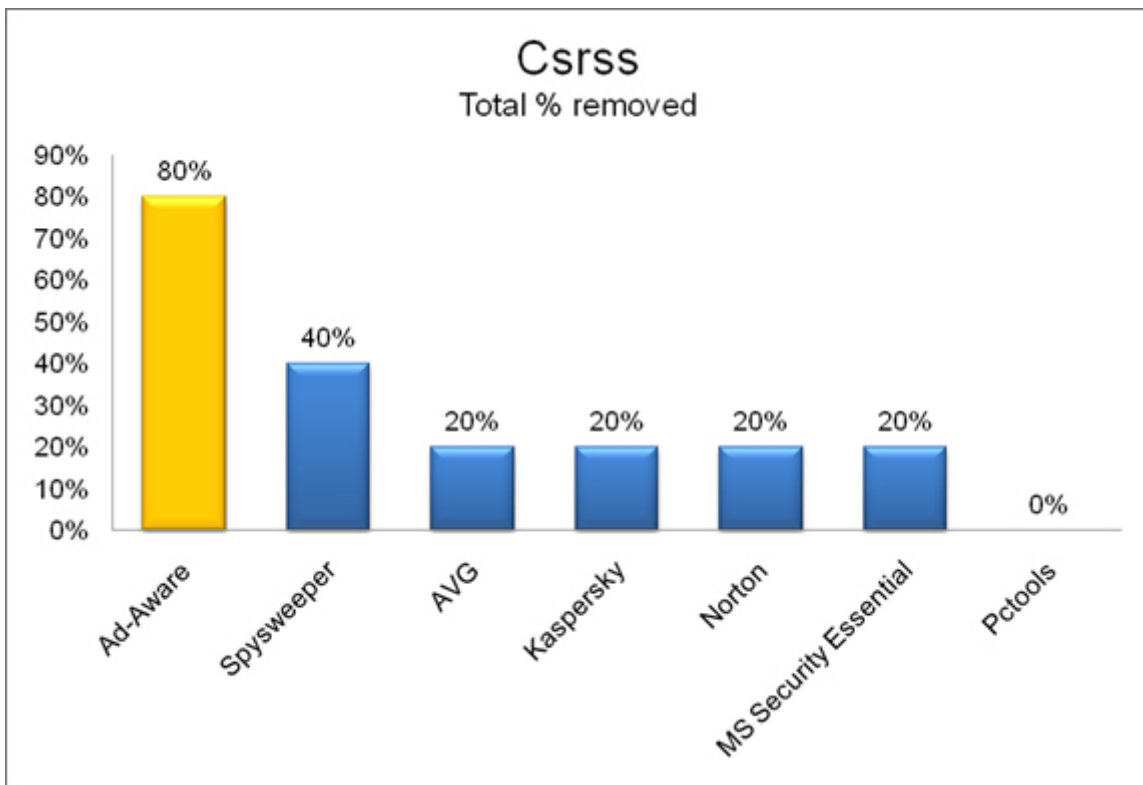*AVG takes more than 7 times longer to perform a scan than Ad-Aware.*

Cleanup Comparison

In many cases, even after scanning and removing infections from your computer with anti-malware software, fragments of the infection are still left behind. Ad-Aware goes a step beyond simply detecting and removing malware; Ad-Aware intelligently cleans and rids yours system of harmful traces of the infection in order to restore your computer.

Below is a comparison between popular anti-virus/anti-spyware programs and their clean-up process of common infections. The test configuration and the specific versions of the software are listed after the graphs.

Hotbar was not detected by Kaspersky or AVG, thus the infection was not removed by these programs.

Csrss
Total % removed

Program	%
Ad-Aware	80%
Spysweeper	40%
AVG	20%
Kaspersky	20%
Norton	20%
MS Security Essential	20%
Pctools	0%

Taskmqr
Total % removed

Program	%
Ad-Aware	60%
Kaspersky	20%
Norton	20%
Pctools	20%
Spysweeper	20%
AVG	0%
MS Security Essential	0%

* Taskmqr was not detected by AVG, thus the infection was not removed by this program.

Test System Details

Windows XP SP3

Intel Core 2 Quad CPU 2,41 GHz

256MB RAM

8GB Hard Drive

Software Configuration

All products were updated with the latest available updates as of the date of test.

AVG Anti-Virus
Version 9.0.716

PC Tools Internet Security
Version 7.0.0.514

Kaspersky Anitvirus
Version 9.0.0.763

Norton Internet Security
Version 17.0.0.136

SpySweeper
Version 6.1.0.145