

GLOBAL WAR

Axis Research Record Sheet (1)

Axis RPs	10										
Code	1939	1940	1941	1942	1943	1944	1945	1946	Min.	Max.	
Air									8+		
Nationality DRM (A)	-2								10+		
<i>Jets (G)</i>									9	12+	
<i>Air Range (G)</i>									10+		
Strategic Bombers (G)									9+		
Air Defense (A)									7+		
Air Production (A)	2,3,4,5...										
Strategic Bombers (G)	2,3,4,5...										
Air Transports (G)	3,4,5,6...										
Airbases (G,I)	1,1 (1/turn)										
Naval									8+		
Nationality DRM (A)	-2								10+		
<i>ASW Technology (A)</i>									6-7	8+	
Torpedoes (G,I)			+2						7+		
<i>Advanced Subs (G)</i>									9	14+	
Harbor Attack (A)									6	8+	
Submarine FP (G,I)	1...										
Naval Air Train. (G,I)	3,4,5,6										
Shipbuilding (G,I)	2,3,4										
Notes											
Production increments limited: 1940-41: one increment in each year; 1942: two increments; 1943: three increments; and so on (42.16B).											
Results apply to: (A) = All Axis countries; (G,I) = both Germany and Italy; (G) = Germany only; (I) = Italy only.											

Breakthroughs	Production Costs			
0	1,2,3,4...	2,3,4,5...	3,4,5,6	4,5,6,7
1	1,1,2,3,4...	1,2,3,4,5...	2,3,4,5	3,4,5,6
2	1,1,1,2,3...	1,1,2,3,4...	1,2,3,4	2,3,4,5
3	1,1,1,1,2...	1,1,1,2,3...	1,1,2,3	1,2,3,4
4	1,1,1,1,1,2...	1,1,1,1,2...	1,1,1,2	1,1,2,3

GLOBAL WAR

Axis Research Record Sheet (2)

	Code	1939	1940	1941	1942	1943	1944	1945	1946	Min.	Max.
Military										8+	
Training (A)		-2								10+	
Rockets (G)										9	12+
Military Production (A)	2,3,4,5...										
Specialized Units (A)	2,3,4,5...										
Fortifications (G,I)	1 (1/turn)										
Railheads (G,I)	2 (1/turn)										
Synthetic Oil Plants (G)	5,5										
Winter Preparation (A)	3										
Atomic										8+	
Radar										10+	
Controlled Reaction										8+	
Uranium Separation										8	12+
Plutonium Production										8	11+
Atomic Bomb(G)										4-6	7+
Uranium Plants (G)	8										
Pluton. Reactors (G)	6										
Intelligence										8+	
Counter-intelligence (G)										5+	
Covert Operations (G)										5+	
Espionage (G)										6+	
Ultra (G)	3										
Occupation Policies (G)	4,5,6										
Moslem Unrest (G)	2,3										
Production increments limited: 1940-41: one increment in each year; 1942: two increments; 1943: three increments; and so on (42.16B).											
Results apply to: (A) = All Axis countries; (G,I) = both Germany and Italy; (G) = Germany only; (I) = Italy only.											

Breakthroughs	Production Costs			
	0	1	2	3
0	1,2,3,4...	2,3,4,5...	3,4,5,6	4,5,6,7
1	1,1,2,3,4...	1,2,3,4,5...	2,3,4,5	3,4,5,6
2	1,1,1,2,3...	1,1,2,3,4...	1,2,3,4	2,3,4,5
3	1,1,1,1,2...	1,1,1,2,3...	1,1,2,3	1,2,3,4
4	1,1,1,1,1,2...	1,1,1,1,2...	1,1,1,2	1,1,2,3

GLOBAL WAR

Japanese Research Record Sheet (1)

Japanese RPs		6									
	Code	1939	1940	1941	1942	1943	1944	1945	1946	Min.	Max.
Air										8+	
Nationality DRM		-2								10+	
<i>Jets</i>										9	12+
<i>Air Range</i>		+5								10+	
Strategic Bombers										9+	
Air Defense										7+	
Air Production	2,3,4,5...										
Strategic Bombers	2,3,4,5...										
Air Transports	3,4,5,6...										
Airbases	1,1 (1/turn)										
Naval										8+	
Nationality DRM		-3								10+	
<i>ASW Technology</i>										6-7	8+
Torpedoes										7+	
Harbor Attack										6	8+
Submarine FP	1...										
ASW FP	2,3,4,5...										
Transport FP	1...										
Naval Air Training	3,4,5,6										
Shipbuilding	2										
Ports	3,3 (1/turn)										
Production increments limited: 1940-41: one increment in each year; 1942: two increments; 1943: three increments; and so on (42.16B).											

Breakthroughs	Production Costs			
0	1,2,3,4...	2,3,4,5...	3,4,5,6	4,5,6,7
1	1,1,2,3,4...	1,2,3,4,5...	2,3,4,5	3,4,5,6
2	1,1,1,2,3...	1,1,2,3,4...	1,2,3,4	2,3,4,5
3	1,1,1,1,2...	1,1,1,2,3...	1,1,2,3	1,2,3,4
4	1,1,1,1,1,2...	1,1,1,1,2...	1,1,1,2	1,1,2,3

GLOBAL WAR

Japanese Research Record Sheet (2)

	Code	1939	1940	1941	1942	1943	1944	1945	1946	Min.	Max.
Military										8+	
Training		-2								10+	
Rockets										9	12+
Military Production	2,3,4,5...										
Specialized Units	2,3,4,5...										
Railheads	2 (1/turn)										
Winter Preparation	3										
Atomic										8+	
Radar										10+	
Intelligence										8+	
Counter-intelligence										5+	
Espionage										6+	
Magic	3										
Chinese Occupation	4										
Indian Subversion	4										
Notes											
Production increments limited: 1940-41: one increment in each year; 1942: two increments; 1943: three increments; and so on (42.16B).											

Breakthroughs	Production Costs			
0	1,2,3,4...	2,3,4,5...	3,4,5,6	4,5,6,7
1	1,1,2,3,4...	1,2,3,4,5...	2,3,4,5	3,4,5,6
2	1,1,1,2,3...	1,1,2,3,4...	1,2,3,4	2,3,4,5
3	1,1,1,1,2...	1,1,1,2,3...	1,1,2,3	1,2,3,4
4	1,1,1,1,1,2...	1,1,1,1,2...	1,1,1,2	1,1,2,3

GLOBAL WAR

Western Allied Research Record Sheet (1)

Western Allied RPs		9									
	Code	1939	1940	1941	1942	1943	1944	1945	1946	Min.	Max.
Air										8+	
Nationality DRM (<i>All</i>)		-2								10+	
<i>Jets (B,US)</i>										9	12+
<i>Air Range (B,US)</i>		+3								10+	
Strategic Bombers (<i>All</i>)										9+	
Air Defense (<i>All</i>)										7+	
Air Production (<i>B,US</i>)		2,3,4,5...									
Str. B. Europe (<i>B,US</i>)		2,3,4,5...									
Str. B. Pacific (<i>US</i>)		2,3,4,5...									
Air Transports (<i>B,US</i>)		3,4,5,6...									
Airbases (<i>B,US</i>)		1,1 (1/turn)									
Naval										8+	
Nationality DRM (<i>All</i>)		-2								10+	
<i>ASW Tech. (B,US)</i>			+1							6-7	8+
Torpedoes (<i>B,US</i>)										7+	
Harbor Attack (<i>B, US</i>)										6	8+
Submarine FP (<i>B,US</i>)		1...									
ASW FP (<i>B,US</i>)		2,3,4,5...									
Transport FP (<i>All</i>)		1...									
Naval Air Train. (<i>B,US</i>)		3,4,5,6									
Shipbuilding (<i>All</i>)		2,3,4,5									
Ports (<i>US</i>)		3,3 (1/turn)									
Production increments limited: 1940-41: one increment in each year; 1942: two increments; 1943: three increments; and so on (42.16B).											

Breakthroughs	Production Costs			
0	1,2,3,4...	2,3,4,5...	3,4,5,6	4,5,6,7
1	1,1,2,3,4...	1,2,3,4,5...	2,3,4,5	3,4,5,6
2	1,1,1,2,3...	1,1,2,3,4...	1,2,3,4	2,3,4,5
3	1,1,1,1,2...	1,1,1,2,3...	1,1,2,3	1,2,3,4
4	1,1,1,1,1,2...	1,1,1,1,2...	1,1,1,2	1,1,2,3

GLOBAL WAR

Western Allied Research Record Sheet (2)

	Code	1939	1940	1941	1942	1943	1944	1945	1946	Min.	Max.
Military										8+	
Training (<i>All</i>)		-1								10+	
Rockets (US)										9	12+
Military Prod. (<i>All</i>)	2,3,4,5...										
Specialized Units (<i>All</i>)	2,3,4,5...										
Fortifications (<i>B,US</i>)	1 (1/turn)										
Railheads (<i>B,US</i>)	2 (1/turn)										
Winter Preparation (<i>All</i>)	3										
Atomic										8+	
Radar		+5								10+	
Controlled Reaction										8+	
Uranium Separation										8	12+
Plutonium Production										8	11+
Atomic Bomb(US)										4-6	7+
Uranium Plants (US)	8										
Pluton. Reactors (US)	6										
Intelligence										8+	
Counter-intelligence (<i>B</i>)										5+	
Covert Operations (<i>B</i>)										5+	
Espionage (<i>B</i>)										6+	
Anglo-French Co. (<i>B</i>)										4-5	7+
Ultra (<i>B</i>)	3										
Magic (<i>US</i>)	3										
Partisans (<i>B</i>)	2,3										
Production increments limited: 1940-41: one increment in each year; 1942: two increments; 1943: three increments; and so on (42.16B).											
Results apply to: (<i>All</i>) = All Western Allied countries; (<i>B,US</i>) = Britain, U.S. only; (<i>B</i>) = Britain only; (<i>US</i>) = U.S. only.											

Breakthroughs	Production Costs			
0	1,2,3,4...	2,3,4,5...	3,4,5,6	4,5,6,7
1	1,1,2,3,4...	1,2,3,4,5...	2,3,4,5	3,4,5,6
2	1,1,1,2,3...	1,1,2,3,4...	1,2,3,4	2,3,4,5
3	1,1,1,1,2...	1,1,1,2,3...	1,1,2,3	1,2,3,4
4	1,1,1,1,1,2...	1,1,1,1,2...	1,1,1,2	1,1,2,3

GLOBAL WAR

Russian Research Record Sheet (1)

Russian RPs		6									
	Code	1939	1940	1941	1942	1943	1944	1945	1946	Min.	Max.
Air										8+	
Nationality DRM		-1								10+	
<i>Jets</i>										9	12+
<i>Air Range</i>										10+	
Strategic Bombers										9+	
Air Defense										7+	
Air Production	2,3,4,5...										
Strategic Bombers	2,3,4,5...										
Air Transports	3,4,5,6...										
Airbases	1,1 (1/turn)										
Military										8+	
Training		-1								10+	
<i>Rockets</i>										9	12+
Military Production	2,3,4,5...										
Specialized Units	2,3,4,5...										
Shock Tactics	2,3										
Fortifications	1 (1/turn)										
Railheads	2 (1/turn)										
ICs	5,5										
Notes											
Production increments limited: 1940-41: one increment in each year; 1942: two increments; 1943: three increments; and so on (42.16B).											

Breakthroughs	Production Costs			
0	1,2,3,4...	2,3,4,5...	3,4,5,6	4,5,6,7
1	1,1,2,3,4...	1,2,3,4,5...	2,3,4,5	3,4,5,6
2	1,1,1,2,3...	1,1,2,3,4...	1,2,3,4	2,3,4,5
3	1,1,1,1,2...	1,1,1,2,3...	1,1,2,3	1,2,3,4
4	1,1,1,1,1,2...	1,1,1,1,2...	1,1,1,2	1,1,2,3

GLOBAL WAR Russian Research Record Sheet (2)

	Code	1939	1940	1941	1942	1943	1944	1945	1946	Min.	Max.
Atomic										8+	
<i>Radars</i>										10+	
<i>Controlled Reaction</i>										8+	
<i>Uranium Separation</i>										8	12+
<i>Plutonium Production</i>										8	11+
<i>Atomic Bomb</i>										4-6	7+
<i>Uranium Plants</i>	8										
<i>Pluton. Reactors</i>	6										
Intelligence										8+	
Counter-intelligence										5+	
Covert Operations										5+	
Espionage										6+	
Subversion										3	7+
Partisans	2,3										

Notes

Breakthroughs	Production Costs			
0	1,2,3,4...	2,3,4,5...	3,4,5,6	4,5,6,7
1	1,1,2,3,4...	1,2,3,4,5...	2,3,4,5	3,4,5,6
2	1,1,1,2,3...	1,1,2,3,4...	1,2,3,4	2,3,4,5
3	1,1,1,1,2...	1,1,1,2,3...	1,1,2,3	1,2,3,4
4	1,1,1,1,1,2...	1,1,1,1,2...	1,1,1,2	1,1,2,3

