

# Clam Chowder

	198				199				200				201				202				203				204				205				206			
Food Box	9	52	0	0	52	14	-16	36	13	13	49	-1	0	49	-1	0	49	13	13	62	1	-31	31	-3	-3	28	-3	31	-3	-3	28	-3				
Granary Box		30	30		30	30		31	31		31	31		30	30		29	29		31	31		32	32		29	29		32	32		29	29			
Population	0	10	0	0	10	0	1	11	0	0	11	0	0	11	0	0	11	0	0	11	0	1	12	0	0	12	0	12	0	12	0	12	0			
Food Box size	60	60	60	60	60	60	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	66	66	66	66	66	66	66	66	66	66	66			
Build Queue Movements	1			1	1			1	1			1	1			1	1			1	1			1	1			1	1			1	1			
Build Item	naste	Buddhist	Monaste	Buddhist	Monaste	Courthouse		Courthouse		Courthouse		Courthouse		Courthouse		Courthouse		Courthouse		Courthouse		Courthouse		Courthouse		Courthouse		Courthouse		Courthouse		Courthouse		Courthouse		
Hammer Box	5	89	0	0	89	1	1	0	2	2	2	0	0	2	0	0	2	6	6	8	6	6	14	6	6	20	6	14	6	6	20	6	20	6		
Size		90			90			180			180			180			180			180			180			180			180			180		180		
Multiplier	1.25	1.25			1.25	1.25		2.25	2.25		2.25	2.25		2.25	2.25		2.25	2.25		2.25	2.25		2.25	2.25		2.25	2.25		2.25	2.25		2.25	2.25			
Do whip?		0			0			0			0			0			0			0			0			0			0			0		0		
Not Revolting?		0			1			1			0			0			1			1			1			1			1			1		1		
Allow Growth?		1			1			1			1			1			1			1			1			1			1			1		1		
Has MP?		1			1			1			1			1			1			1			1			1			1			1		1		
Happy Cap		11			11			11			12			12			12			12			12			12			12			13		13		
Healthy Cap		10			10			10			10			10			10			10			10			11			11			11		11		
Turns to growth		N/A			NEXT			2.08			N/A			N/A			1.08			NEXT			NEXT			NEXT			NEXT			NEXT		NEXT		
Turns to produce		N/A			NEXT			180			N/A			N/A			59.33			57.33			55.33			53.33			53.33			53.33		53.33		
Can Whip?		1(55)	1		1(55)	1		4(225)	4		2(24)	2		2(24)	2		2(24)	2		2(30)	2		2(36)	2		2(42)	2		2(42)	2		2(42)	2	2		
Whip Timer		63			62			61			60			59			58			57			56			55			55			55		55		
Has Grown?								GREW																												
Has Produced?								PRODUCED																												
In Revolt?		REVOLT									REVOLT			REVOLT			REVOLT			UNHEALTHY			UNHEALTHY			UNHEALTHY			UNHEALTHY			UNHEALTHY		UNHEALTHY		
Unhealthy?								UNHEALTHY			UNHEALTHY			UNHEALTHY			UNHEALTHY			UNHEALTHY			UNHEALTHY			UNHEALTHY			UNHEALTHY			UNHEALTHY		UNHEALTHY		
Population Check																																				
Tile Check (CC)																																				
Tile Check (CC&FH)																																				
CC+FH good tiles worked		5			5			5			5			5			5			6			7			7			7			7		7		
PPP Tiles Worked		3N,6C,CF			3N,6C,CF			3N,7C,CF			3N,7C,CF,			3N,7C,CF,			3N,7C,CF,			3N,C,CF,6Sci,			3N,CF,8Sci,			3N,CF,8Sci,			3N,CF,8Sci,			3N,CF,8Sci,		3N,CF,8Sci,		
PPP Tiles Changed		+3C,-GM,-2Sci						+C			+GPr									-6C,+6Sci			-C,+2Sci													
PPP Whip																																				
PPP Chop																																				

Notes

# Clam Chowder

Turn	207				208				209				210				211				212				213	
Food Box	-3	25	-3	-3	22	-3	-3	19	-3	-3	16	-3	-3	13	-3	-3	10	-3	-3	7	-3					
Granary Box		26	26		23	23		20	20		17	17		14	14		11	11		8	8					
Population	0	12	0	0	12	0	0	12	0	0	12	0	0	12	0	0	12	0	0	12	0					
Food Box size	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66					
Build Queue Movements	1		1	1		1	1		1	1		1	1		1	1		1	1		1					
Build Item		Courthouse			Courthouse			Courthouse			Courthouse			Courthouse			Courthouse			Courthouse						
Hammer Box	6	26	6	6	32	6	6	38	6	6	44	6	6	50	6	6	56	6	6	62	6					
Size		180			180			180			180			180			180			180						
Multiplier	2.25	2.25		2.25	2.25		2.25	2.25		2.25	2.25		2.25	2.25		2.25	2.25		2.25	2.25						
Do whip?		0			0			0			0			0			0			0						
Not Revolting?		1			1			1			1			1			1			1						
Allow Growth?		1			1			1			1			1			1			1						
Has MP?		1			1			1			1			1			1			1						
Happy Cap		13			13			13			13			13			13			13						
Healthy Cap		11			11			11			11			11			11			11						
Turns to growth		NEXT			NEXT			NEXT			NEXT			NEXT			NEXT			NEXT						
Turns to produce		51.33			49.33			47.33			45.33			43.33			41.33			39.33						
Can Whip?		2(48)	2		2(54)	2		2(60)	2		2(66)	2		2(72)	2		2(78)	2		2(84)	2					
Whip Timer		54			53			52			51			50			49			48						
Has Grown?																										
Has Produced?																										
In Revolt?																										
Unhealthy?		UNHEALTHY			UNHEALTHY			UNHEALTHY			UNHEALTHY			UNHEALTHY			UNHEALTHY			UNHEALTHY						
Population Check																										
Tile Check (CC)																										
Tile Check (CC&FH)																										
CC+FH good tiles worked		7			7			7			7			7			7			7						
PPP Tiles Worked		3N,CF,8Sci,			3N,CF,8Sci,			3N,CF,8Sci,			3N,CF,8Sci,			3N,CF,8Sci,			3N,CF,8Sci,			3N,CF,8Sci,						
PPP Tiles Changed																										
PPP Whip																										
PPP Chop																										

Notes

## Fish Hills

Turn		198						199						200						201						202						203						204						205						206					
Food Box	6	33	0	0	33	6	-14	19	6	6	25	0	0	25	0	0	25	6	6	31	5	-13	18	3	3	21	3																												
Granary Box		19	19		19	19		21	18		18	18		18	18		18	18		18	18		19	19		19	19																												
Population	0	3	0	0	3	0	1	4	-2	-2	2	0	0	2	0	0	2	0	0	2	0	1	3	0	0	3	0																												
Food Box size	39	39	39	39	39	39	42	42	36	36	36	36	36	36	36	36	36	36	36	36	36	39	39	39	39	39	39																												
Build Queue Movements:	1		1	1		1	1		1	3		1	1		1	1		1	1		1	1		1	1		1	1		1	1		1																						
Build Item		Courthouse				Courthouse				Courthouse				Workboat				Workboat				Workboat				Workboat				Workboat				Workboat																					
Hammer Box	2	32	0	0	32	2	2	34	182	182	0	0	0	0	0	0	0	19	19	19	4	4	23	8	8	31	8																												
Size		180				180				180				45				45				45				45				45				45																					
Multiplier	2	2		2	2		2	2		2	1		1	1		1	1		1	1		1	1		1	1		1	1		1	1		1																					
Do whip?		0			0			1			0			0			0			0			0			0		0			0		0																						
Not Revolting?		0			1			1			0			0			0			1			1			1		1			1		1																						
Chop Hammers?		0			0			0			0			0			0			0			0			0		0			0		0																						
In Golden Age?		0			0			0			0			0			0			0			0			0		0			0		0																						
Allow Growth?		1			1			1			1			1			1			1			1			1		1			1		1																						
Has MP?		0			0			0			0			0			0			0			0			0		0			0		0																						
BFC forests	0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0		0		0																							
Happy Cap		9			9			8			8			9			9			9			9			10		10			10		10																						
Healthy Cap		11			11			11			11			11			11			11			12			12		12			12		12																						
Turns to growth		N/A			NEXT			3.83			N/A			N/A			1.83			NEXT			7			6		6			6		6																						
Turns to produce		N/A			148			NEXT			N/A			N/A			27			6.5			2.75			1.75		1.75			1.75		1.75																						
Can Whip?		NO	2		NO	2		2(34)	2		NO	2		NO	2		NO	2		1(19)	1		1(23)	1		1(31)	1	1			1(31)	1	1																						
Whip Timer		64			63			77			76			75			74			73			72			71		71			71		71																						
Has Grown?								GREW															GREW																																
Has Produced?										PRODUCED																																													
In Revolt?		REVOLT								REVOLT							REVOLT																																						
Unhealthy?																																																							
Population Check																																																							
Tile Check (FH)																																																							
Tile Check (CC&FH)																																																							
CC+FH good tiles worked		5				5				5				5				5				5				6				7				7																					
PPP Tiles Worked		B,2C				B,2C				B,C				B,C				B,C				B,C				B,GM				B,PM,GM				B,PM,GM																					
PPP Tiles Changed																																																							
PPP Whip																																																							
PPP Chop																																																							

## Notes

## Fish Hills

Turn	207				208				209				210				211				212				213			
Food Box	3	24	3	3	27	3	3	30	3	3	33	3	3	36	3	-17	19	3	3	22	3							
Granary Box		19	19		19	19		19	19		19	19		19	19		21	21		21	21							
Population	0	3	0	0	3	0	0	3	0	0	3	0	0	3	0	1	4	0	0	4	0							
Food Box size	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	42	42	42	42	42	42							
Build Queue Movements:	1		1	1		1	1		1	1		1	1		1	1		1	1		1							
Build Item		Workboat			Warrior			Warrior			Warrior			Theatre			Theatre			Theatre								
Hammer Box	8	39	8	8	0	10	10	10	8	8	18	8	8	0	12	12	12	8	8	20	8							
Size		45			22			22			22			75			75			75								
Multiplier	1	1		1	1		1	1		1	1		1	1		1	1		1	1								
Do whip?		0			0			0			0			0			0			0								
Not Revolting?		1			1			1			1			1			1			1								
Chop Hammers?		0			0			0			0			0			0			0								
In Golden Age?		0			0			0			0			0			0			0								
Allow Growth?		1			1			1			1			1			1			1								
Has MP?		0			0			0			0			0			0			0								
BFC forests	0	0		0	0		0	0		0	0		0	0		0	0		0	0								
Happy Cap		10			10			10			10			10			10			10								
Healthy Cap		12			12			12			12			12			12			12								
Turns to growth		5			4			3			2			NEXT			7.67			6.67								
Turns to produce		NEXT			2.5			1.5			NEXT			8.88			7.88			6.88								
Can Whip?		1(39)	1		1(23)	1		1(33)	1		1(41)	1		NO	4		2(27)	2		2(35)	2							
Whip Timer		70			69			68			67			66			65			64								
Has Grown?																	GREW											
Has Produced?				PRODUCED							PRODUCED																	
In Revolt?																												
Unhealthy?																												
Population Check																												
Tile Check (FH)																												
Tile Check (CC&FH)																												
CC+FH good tiles worked		7			7			7			7			7			7			7								
PPP Tiles Worked		B,PM,GM			B,PM,GM			B,PM,GM			B,PM,GM			B,PM,GM			B,C,PM,GM			B,C,PM,GM								
PPP Tiles Changed																												
PPP Whip																												
PPP Chop																												

Notes

Stone Mountain																																				
Turn	198				199				200				201				202				203				204				205				206			
Food Box	5	36	0	0	36	5	-15	21	6	6	27	0	0	27	0	0	27	6	6	33	6	-12	21	6	6	27	6									
Granary Box		19	19		19	19		21	18		18	18		18	18		18	18		18	18		19	19		19	19									
Population	0	3	0	0	3	0	1	4	-2	-2	2	0	0	2	0	0	2	0	0	2	0	1	3	0	0	3	0									
Food Box size	39	39	39	39	39	39	42	42	36	36	36	36	36	36	36	36	36	36	36	36	36	39	39	39	39	39	39									
Build Queue Movements	1			1	1			1	1			1	1			1	1			1	1			1	1		1									
Build Item		Trireme			Trireme			Trireme			Theatre			Theatre			Theatre			Theatre			Theatre			Theatre										
Hammer Box	5	0	0	0	0	5	5	5	92	92	0	0	0	0	0	0	0	24	24	24	2	2	26	2	2	28	2									
Size		75			75			75			75			75			75			75			75			75										
Multiplier	1	1		1	1		1	1		1	1		1	1		1	1		1	1		1	1		1	1										
Do whip?		0			0			1			0			0			0			0			0			0										
Not Revolting?		0			1			1			0			0			1			1			1			1										
Chop Hammers?		0			0			0			0			0			0			0			0			0										
In Golden Age?		0			0			0			0			0			0			0			0			0										
Allow Growth?		1			1			1			1			1			1			1			1			1										
Has MP?		0			0			0			0			0			0			0			0			0										
BFC forests	0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0										
Happy Cap		12			12			11			11			11			11			11			11			13										
Healthy Cap		11			11			11			11			11			11			11			12			12										
Turns to growth		N/A			NEXT			3.5			N/A			N/A			1.5			NEXT			3			2										
Turns to produce		N/A			15			NEXT			N/A			N/A			26.5			25.5			24.5			23.5										
Can Whip?		NO	4		NO	4		2(20)	2		NO	4		NO	4		NO	4		NO	2		NO	2		NO	2									
Whip Timer		8			7			21			20			19			18			17			16			15										
Has Grown?								GREW														GREW														
Has Produced?	PRODUCED								PRODUCED				REVOLT																							
In Revolt?	REVOLT								REVOLT				REVOLT																							
Unhealthy?																																				
Population Check																																				
Tile Check (SM)																																				
PPP Tiles Worked	B,C,GM				B,C,GM				B,C				B,C				B,C				B,C				B,2C				B,2C							
PPP Tiles Changed																																				
PPP Whip																																				
PPP Chop																																				

Notes

Stone Mountain

Turn	207				208				209				210				211				212				213			
Food Box	6	33	6	-14	19	6	6	25	6	6	31	6	6	37	6	-15	22	6	6	28	6							
Granary Box		19	19		21	21		21	21		21	21		21	21		22	22		22	22							
Population	0	3	0	1	4	0	0	4	0	0	4	0	0	4	0	1	5	0	0	5	0							
Food Box size	39	39	39	42	42	42	42	42	42	42	42	42	42	42	42	45	45	45	45	45	45							
Build Queue Movements	1		1	1		1	1		1	1		1	1		1	1		1	1		1							
Build Item		Theatre			Theatre			Theatre			Theatre			Theatre			Theatre			Theatre								
Hammer Box	2	30	2	2	32	2	2	34	2	2	36	2	2	38	2	2	40	2	2	42	2							
Size		75			75			75			75			75			75			75								
Multiplier	1	1		1	1		1	1		1	1		1	1		1	1		1	1								
Do whip?		0			0			0			0			0			0			0								
Not Revolting?		1			1			1			1			1			1			1								
Chop Hammers?		0			0			0			0			0			0			0								
In Golden Age?		0			0			0			0			0			0			0								
Allow Growth?		1			1			1			1			1			1			1								
Has MP?		0			0			0			0			0			0			0								
BFC forests	0	0		0	0		0	0		0	0		0	0		0	0		0	0								
Happy Cap		13			13			13			13			13			13			13								
Healthy Cap		12			12			12			12			12			12			12								
Turns to growth		NEXT			3.83			2.83			1.83			NEXT			3.83			2.83								
Turns to produce		22.5			21.5			20.5			19.5			18.5			17.5			16.5								
Can Whip?		1(0)	1		1(2)	1		1(4)	1		1(6)	1		1(8)	1		1(10)	1		1(12)	1							
Whip Timer		14			13			12			11			10			9			8								
Has Grown?					GREW												GREW											
Has Produced?																												
In Revolt?																												
Unhealthy?																												
Population Check																												
Tile Check (SM)																												
PPP Tiles Worked		B,2C			B,3C			B,3C			B,3C			B,3C			B,4C			B,4C								
PPP Tiles Changed					+C												+C											
PPP Whip																												
PPP Chop																												

Notes

Paired Clams																																					
Turn	198				199				200				201				202				203				204				205				206				
Food Box	7	35	0	0	35	7	-14	21	7	7	28	0	0	28	0	0	28	7	7	35	7	-13	22	5	5	27	5										
Granary Box		21	21		21	21		22	19		19	19		19	19		19	19		19	19		21	21		21	21										
Population	0	4	0	0	4	0	1	5	-2	-2	3	0	0	3	0	0	3	0	0	3	0	1	4	0	0	4	0										
Food Box size	42	42	42	42	42	42	45	45	39	39	39	39	39	39	39	39	39	39	39	39	39	42	42	42	42	42	42										
Build Queue Movements	1		1	1		1	1		1	1		1	1		1	1		1	1		1	1		1	1		1										
Build Item		Courthouse				Courthouse				Courthouse				Workboat				Workboat				Workboat				Workboat				Theatre				Theatre			
Hammer Box	12	44	0	0	44	12	12	56	192	192	0	0	0	0	0	0	0	40	40	40	6	6	0	11	11	11	10										
Size		180			180			180			45			45			45			45			75			75											
Multiplier	2	2		2	2		2	2		2	1		1	1		1	1		1	1		1	1		1	1											
Do whip?		0			0			1			0			0			0			0			0			0											
Not Revolting?		0			1			1			0			0			0			1			1			1											
Chop Hammers?		0			0			0			0			0			0			0			0			0											
In Golden Age?		0			0			0			0			0			0			0			0			0											
Allow Growth?		1			1			1			1			1			1			1			1			1											
Has MP?		0			0			0			0			0			0			0			0			0											
BFC forests	0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0											
Happy Cap		9			10			9			9			9			9			9			9			10											
Healthy Cap		11			11			11			11			11			11			11			12			12											
Turns to growth		N/A			NEXT			3.43			N/A			N/A			1.57			NEXT			4			3											
Turns to produce		N/A			22.67			NEXT			N/A			N/A			1.83			NEXT			7.4			6.4											
Can Whip?		2(44)	2		2(44)	2		2(56)	2		NO	2		NO	2		NO	2		1(40)	1		NO	4		2(26)	2										
Whip Timer		46			45			59			58			57			56			55			54			53											
Has Grown?								GREW														GREW															
Has Produced?											PRODUCED											PRODUCED															
In Revolt?		REVOLT									REVOLT			REVOLT																							
Unhealthy?																																					
Population Check																																					
Tile Check (PC)																																					
PPP Tiles Worked		2N,C,IM				2N,C,IM				2N,IM				2N,IM				2N,IM				2N,IM				2N,PM,IM				2N,PM,IM							
PPP Tiles Changed																																					
PPP Whip										-C																											
PPP Chop										WHIP																											

Notes

Paired Clams

Turn	207				208				209				210				211				212				213			
Food Box	5	32	5	5	37	5	-16	21	5	5	26	5	5	31	5	5	36	5	5	41	5							
Granary Box		21	21		21	21		22	22		22	22		22	22		22	22		22	22							
Population	0	4	0	0	4	0	1	5	0	0	5	0	0	5	0	0	5	0	0	5	0							
Food Box size	42	42	42	42	42	42	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45							
Build Queue Movements	1		1	1		1	1		1	1		1	1		1	1		1	1		1							
Build Item		Theatre			Theatre			Theatre			Theatre			Theatre			Theatre			Trireme								
Hammer Box	10	21	10	10	31	10	10	41	10	10	51	10	10	61	10	10	71	10	10	0	16							
Size		75			75			75			75			75			75			75								
Multiplier	1	1		1	1		1	1		1	1		1	1		1	1		1	1								
Do whip?		0			0			0			0			0			0			0								
Not Revolting?		1			1			1			1			1			1			1								
Chop Hammers?		0			0			0			0			0			0			0								
In Golden Age?		0			0			0			0			0			0			0								
Allow Growth?		1			1			1			1			1			1			1								
Has MP?		0			0			0			0			0			0			0								
BFC forests	0	0		0	0		0	0		0	0		0	0		0	0		0	0								
Happy Cap		10			10			10			10			10			10			10								
Healthy Cap		12			12			12			12			12			12			12								
Turns to growth		2			NEXT			4.8			3.8			2.8			1.8			NEXT								
Turns to produce		5.4			4.4			3.4			2.4			1.4			NEXT			6.9								
Can Whip?		2(36)	2		1(1)	1		1(11)	1		1(21)	1		1(31)	1		1(41)	1		NO	4							
Whip Timer		52			51			50			49			48			47			46								
Has Grown?							GREW																					
Has Produced?																			PRODUCED									
In Revolt?																												
Unhealthy?																												
Population Check																												
Tile Check (PC)																												
PPP Tiles Worked		2N,PM,IM			2N,PM,IM			2N,C,PM,IM			2N,C,PM,IM			2N,C,PM,IM			2N,C,PM,IM			2N,C,PM,IM								
PPP Tiles Changed																												
PPP Whip																												
PPP Chop																												

Notes



[illegible]

Marbled Clam

Turn	207				208				209				210				211				212				213				
Food Box	5	40	5	5	45	5	5	50	5	-21	29	5	5	34	5	5	39	5	5	44	5								
Granary Box		25	25		25	25		25	25		27	27		27	27		27	27		27	27								
Population	0	7	0	0	7	0	0	7	0	1	8	0	0	8	0	0	8	0	0	8	0	0							
Food Box size	51	51	51	51	51	51	51	51	51	54	54	54	54	54	54	54	54	54	54	54	54	54							
Build Queue Movements	1		1	1		1	1		1	1		1	1		1	1		1	1		1	1			1				
Build Item		Courthouse				Courthouse				Warrior				Warrior				Theatre				Theatre				Theatre			
Hammer Box	20	148	20	20	168	20	20	7	14	14	21	11	11	0	21	21	21	11	11	32	11								
Size		180			180			22			22			75			75			75									
Multiplier	2	2		2	2		2	1		1	1		1	1		1	1		1	1		1							
Do whip?		0			0			0			0			0			0			0					0				
Not Revolting?		1			1			1			1			1			1			1					1				
Chop Hammers?		0			0			0			0			0			0			0					0				
In Golden Age?		0			0			0			0			0			0			0					0				
Allow Growth?		1			1			1			1			1			1			1					1				
Has MP?		0			0			0			0			0			0			0					0				
BFC forests	0	0		0	0		0	0		0	0		0	0		0	0		0	0		0		0	0				
Happy Cap		14			14			14			14			14			14			14					14				
Healthy Cap		12			12			12			12			12			12			12					12				
Turns to growth		2.2			1.2			NEXT			5			4			3			2									
Turns to produce		3.2			NEXT			1.1			NEXT			5.91			4.91			3.91									
Can Whip?		1(58)	1		1(78)	1		1(30)	1		1(44)	1		4(105)	4		2(36)	2		1(2)	1								
Whip Timer		0			0			0			0			0			0			0					0				
Has Grown?											GREW																		
Has Produced?								PRODUCED						PRODUCED															
In Revolt?																													
Unhealthy?																													
Population Check																													
Tile Check (MC)																													
PPP Tiles Worked		N,5C,GP				N,5C,GP				N,5C,GP				N,6C,GP				N,6C,GP				N,6C,GP							
PPP Tiles Changed																													
PPP Whip																													
PPP Chop																													

Notes

# Bronzed Fish

Turn	198				199				200				201				202				203				204				205				206			
Food Box	-15	23	0	0	23	0	0	23	0	0	23	0	0	23	0	0	23	6	6	29	6	6	35	6	-14	21	6									
Granary Box		22	22		22	22		22	19		19	19		19	19		19	19		19	19		19	19		21	21									
Population	1	5	0	0	5	0	0	5	-2	-2	3	0	0	3	0	0	3	0	0	3	0	0	3	0	1	4	0									
Food Box size	45	45	45	45	45	45	45	45	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	42	42	42									
Build Queue Movements	1			1	1			1	1			1	1			1	1			1	1			1	1			1	1							
Build Item		Worker			Worker			Worker			Workboat			Workboat			Workboat			Workboat			Workboat			Workboat			Workboat							
Hammer Box	12	0	0	0	0	12	18	18	95	101	0	0	0	0	0	0	0	34	34	34	5	5	39	5	5	44	5									
Size		90			90			90			45			45			45			45			45			45			45							
Multiplier	1	1		1	1		1	1		1	1		1	1		1	1		1	1		1	1		1	1		1								
Do whip?		0			0			1			0			0			0			0			0			0			0							
Not Revolting?		0			1			1			0			0			1			1			1			1			1							
Chop Hammers?		0			0			0			0			0			0			0			0			0			0							
In Golden Age?		0			0			0			0			0			0			0			0			0			0							
Allow Growth?		1			1			1			1			1			1			1			1			1			1							
Has MP?		0			0			0			0			0			0			0			0			0			0							
BFC forests	0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0								
Happy Cap		9			9			8			8			8			8			8			8			9			9							
Healthy Cap		11			11			11			11			11			11			11			12			12			12							
Turns to growth		N/A			N/A			N/A			N/A			N/A			2.67			1.67			NEXT			3.5			3.5							
Turns to produce		N/A			7.55			NEXT			N/A			N/A			3.2			2.2			1.2			NEXT			NEXT							
Can Whip?		NO	4		NO	4		2(18)	2		NO	2		NO	2		NO	2		1(34)	1		1(39)	1		1(44)	1		1							
Whip Timer		59			58			72			71			70			69			68			67			66			66							
Has Grown?		GREW																											GREW							
Has Produced?		PRODUCED									PRODUCED																									
In Revolt?		REVOLT									REVOLT			REVOLT																						
Unhealthy?																																				
Population Check																																				
Tile Check (BF)																																				
PPP Tiles Worked		B,2C,CM			B,3C,CM			B,C,CM			B,C,CM			B,C,CM			B,C,CM			B,C,CM			B,C,CM			B,2C,CM			B,C,CM							
PPP Tiles Changed																														+C						
PPP Whip																																				
PPP Chop																																				

Notes

# Bronzed Fish

Turn	207				208				209				210				211				212				213			
Food Box	6	27	6	6	33	6	6	39	6	-15	24	6	6	30	6	6	36	6	6	42	6							
Granary Box		21	21		21	21		21	21		22	22		22	22		22	22		22	22							
Population	0	4	0	0	4	0	0	4	0	1	5	0	0	5	0	0	5	0	0	5	0							
Food Box size	42	42	42	42	42	42	42	42	42	45	45	45	45	45	45	45	45	45	45	45	45							
Build Queue Movements	1		1	1		1	1		1	1		1	1		1	1		1	1		1							
Build Item		Theatre			Theatre			Theatre			Theatre			Theatre			Theatre			Theatre								
Hammer Box	5	0	9	9	9	5	5	14	5	5	19	5	5	24	5	5	29	5	5	34	5							
Size		75			75			75			75			75			75			75								
Multiplier	1	1		1	1		1	1		1	1		1	1		1	1		1	1								
Do whip?		0			0			0			0			0			0			0								
Not Revolting?		1			1			1			1			1			1			1								
Chop Hammers?		0			0			0			0			0			0			0								
In Golden Age?		0			0			0			0			0			0			0								
Allow Growth?		1			1			1			1			1			1			1								
Has MP?		0			0			0			0			0			0			0								
BFC forests	0	0		0	0		0	0		0	0		0	0		0	0		0	0								
Happy Cap		9			9			9			9			9			10			10								
Healthy Cap		12			12			12			12			12			12			12								
Turns to growth		2.5			1.5			NEXT			3.5			2.5			1.5			NEXT								
Turns to produce		14.2			13.2			12.2			11.2			10.2			9.2			8.2								
Can Whip?		NO	4		2(24)	2		2(29)	2		2(34)	2		2(39)	2		2(44)	2		1(4)	1							
Whip Timer		65			64			63			62			61			60			59								
Has Grown?											GREW																	
Has Produced?	PRODUCED																											
In Revolt?																												
Unhealthy?																												
Population Check																												
Tile Check (BF)																												
PPP Tiles Worked	B,2C,CM				B,2C,CM				B,2C,CM				B,3C,CM				B,3C,CM				B,3C,CM							
PPP Tiles Changed	+C																											
PPP Whip																												
PPP Chop																												

Notes

Furry Crabs

Turn		198				199				200				201				202				203				204				205				206			
Food Box	4	30	0	0	30	4	4	34	4	4	38	0	0	38	0	0	38	5	-15	23	5	5	28	5	5	33	5										
Granary Box		19	19		19	19		19	19		19	19		19	19		19	19		21	21		21	21		21	21										
Population	0	3	0	0	3	0	0	3	0	0	3	0	0	3	0	0	3	0	1	4	0	0	4	0	0	4	0										
Food Box size	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	42	42	42	42	42	42	42	42	42										
Build Queue Movements	1		1	1		1	1		1	1		1	1		1	1		1	1		1	1		1	1		1										
Build Item		Courthouse			Courthouse			Courthouse			Courthouse			Courthouse			Courthouse			Theatre			Theatre			Theatre											
Hammer Box	6	90	0	0	90	6	6	96	6	6	102	0	0	102	0	0	102	90	90	0	7	7	7	1	1	8	1										
Size		180			180			180			180			180			180			75			75			75											
Multiplier	2	2		2	2		2	2		2	2		2	2		2	2		2	1		1	1		1	1											
Do whip?		0			0			0			0			0			0			0			0			0											
Not Revolting?		0			1			1			0			0			1			1			1			1											
Chop Hammers?		0			0			0			0			0			44			0			0			0											
In Golden Age?		0			0			0			0			0			0			0			0			0											
Allow Growth?		1			1			1			1			1			1			1			1			1											
Has MP?		0			0			0			0			0			0			0			0			0											
BFC forests	0	2		0	2		0	2		0	2		0	2		0	2		-1	1		0	1		0	1											
Happy Cap		12			12			12			12			12			12			13			13			14											
Healthy Cap		12			12			12			12			12			12			11			12			12											
Turns to growth		N/A			2.25			1.25			N/A			N/A			NEXT			3.8			2.8			1.8											
Turns to produce		N/A			30			28			N/A			N/A			NEXT			69			68			67											
Can Whip?		1(0)	1		1(0)	1		1(6)	1		1(12)	1		1(12)	1		1(12)	1		NO	4		2(22)	2		2(23)	2										
Whip Timer		6			5			4			3			2			1			0			0			0											
Has Grown?																				GREW																	
Has Produced?																				PRODUCED																	
In Revolt?		REVOLT						REVOLT						REVOLT																							
Unhealthy?																																					
Population Check																																					
Tile Check (FC)																																					
PPP Tiles Worked		N,C,PF			N,C,PF			N,C,PF			N,C,PF			N,C			N,2C			N,3C			N,3C			N,3C											
PPP Tiles Changed																																					
PPP Whip																																					
PPP Chop																																					
Notes		Start chop											Done chop					Move to tundra foStart chop																			

## Furry Crabs

[illegible]

Golden Hills																																				
Turn	198				199				200				201				202				203				204				205				206			
Food Box	7	31	0	0	31	7	7	38	7	-14	24	0	0	24	0	0	24	5	5	29	10	10	39	10	-13	26	10									
Granary Box		24	24		24	21		21	21		22	22		22	22		22	22		22	22		22	22		24	24									
Population	0	6	0	0	6	-2	-2	4	0	1	5	0	0	5	0	0	5	0	0	5	0	0	5	0	1	6	0									
Food Box size	48	48	48	48	48	42	42	42	42	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	48	48	48									
Build Queue Movements	3			1	1			1	1			1	1			1	1			1	1			1	1		1									
Build Item		Trireme			Trireme			Workboat			Archer			Archer			Archer			Archer			Theatre			Theatre										
Hammer Box	4	4	0	0	4	94	94	36	27	27	12	0	0	12	0	0	12	22	22	34	4	4	0	5	5	5	4									
Size		75			75			45			37			37			37			37			75			75										
Multiplier	1	1		1	1		1	1		1	1		1	1		1	1		1	1		1	1		1	1										
Do whip?		0			1			0			0			0			0			0			0			0										
Not Revolting?		0			1			1			0			0			1			1			1			1										
Chop Hammers?		0			0			0			0			0			0			0			0			0										
In Golden Age?		0			0			0			0			0			0			0			0			0										
Allow Growth?		1			1			1			1			1			1			1			1			1										
Has MP?		0			0			0			0			0			0			0			0			0										
BFC forests	0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0										
Happy Cap		11			10			10			10			11			11			11			11			12										
Healthy Cap		11			11			11			11			11			11			11			12			12										
Turns to growth		N/A			2.43			NEXT			N/A			N/A			4.2			1.6			NEXT			2.2										
Turns to produce		N/A			NEXT			NEXT			N/A			N/A			1.75			NEXT			18.5			17.5										
Can Whip?		2(19)	2		2(19)	2		1(36)	1		1(20)	1		1(20)	1		1(20)	1		1(42)	1		NO	4		2(20)	2									
Whip Timer		19			33			32			31			30			29			28			27			26										
Has Grown?											GREW														GREW											
Has Produced?							PRODUCED			PRODUCED												PRODUCED														
In Revolt?		REVOLT								REVOLT			REVOLT																							
Unhealthy?																																				
Population Check																																				
Tile Check (GH)																																				
PPP Tiles Worked		B,N,3C,PHG			B,N,C,PHG			B,N,C,PHG			B,N,2C,PHG			B,N,2C,PHG			B,N,C,PHG,Art			B,2N,C,PHG			B,2N,C,PHG			B,2N,2C,PHG										
PPP Tiles Changed																																				
PPP Whip																																				
PPP Chop																																				

Notes

Golden Hills

Turn	207				208				209				210				211				212				213			
Food Box	10	36	10	10	46	10	-14	32	10	10	42	10	-16	26	10	10	36	10	10	46	10							
Granary Box		24	24		24	24		25	25		25	25		27	27		27	27		27	27							
Population	0	6	0	0	6	0	1	7	0	0	7	0	1	8	0	0	8	0	0	8	0							
Food Box size	48	48	48	48	48	48	51	51	51	51	51	51	54	54	54	54	54	54	54	54	54							
Build Queue Movements	1		1	1		1	1		1	1		1	1		1	1		1	1		1							
Build Item		Theatre			Theatre			Theatre			Theatre			Theatre			Theatre			Theatre								
Hammer Box	4	9	4	4	13	4	4	17	4	4	21	4	4	25	4	4	29	4	4	33	4							
Size		75			75			75			75			75			75			75								
Multiplier	1	1		1	1		1	1		1	1		1	1		1	1		1	1								
Do whip?		0			0			0			0			0			0			0								
Not Revolting?		1			1			1			1			1			1			1								
Chop Hammers?		0			0			0			0			0			0			0								
In Golden Age?		0			0			0			0			0			0			0								
Allow Growth?		1			1			1			1			1			1			1								
Has MP?		0			0			0			0			0			0			0								
BFC forests	0	0		0	0		0	0		0	0		0	0		0	0		0	0								
Happy Cap		12			12			12			12			12			12			12								
Healthy Cap		12			12			12			12			12			12			12								
Turns to growth		1.2			NEXT			1.9			NEXT			2.8			1.8			NEXT								
Turns to produce		16.5			15.5			14.5			13.5			12.5			11.5			10.5								
Can Whip?		2(24)	2		2(28)	2		2(32)	2		2(36)	2		2(40)	2		2(44)	2		1(3)	1							
Whip Timer		25			24			23			22			21			20			19								
Has Grown?							GREW				GREW																	
Has Produced?																												
In Revolt?																												
Unhealthy?																												
Population Check																												
Tile Check (GH)																												
PPP Tiles Worked	B,2N,2C,PHG		B,2N,2C,PHG		B,2N,3C,PHG		B,2N,3C,PHG		B,2N,4C,PHG		B,2N,4C,PHG		B,2N,4C,PHG		B,2N,4C,PHG													
PPP Tiles Changed					+C		+C																					
PPP Whip																												
PPP Chop																												

Notes



Spicy Rice																											
Turn	198			199			200			201			202			203			204			205			206		
Food Box	-28	1	0	0	1	7	7	8	8	8	16	0	0	16	0	0	16	8	8	24	8	8	32	8	-28	4	7
Granary Box		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0
Population	1	3	0	0	3	0	0	3	-1	-1	2	0	0	2	0	0	2	0	0	2	0	0	2	0	1	3	0
Food Box size	39	39	39	39	39	39	39	39	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	39	39	39
Build Queue Movements	1			1	1			1	1			1	1			1	1			1	1			1	1		1
Build Item	Granary	Taoist	Missionary	Taoist	Missionary	Taoist	Missionary	Taoist	Missionary	Granary			Granary			Granary			Granary			Granary			Granary		
Hammer Box	1	13	0	0	13	4	4	17	46	46	21	0	0	21	0	0	21	4	4	25	1	1	26	1	1	27	4
Size		60			60			60			90			90			90			90			90			90	
Multiplier	1	1		1	1		1	1		1	1		1	1		1	1		1	1		1	1		1	1	
Do whip?		0			0			1			0			0			0			0			0			0	
Not Revolting?		0			1			1			0			0			1			1			1			1	
Chop Hammers?		0			0			0			0			0			0			0			0			0	
In Golden Age?		0			0			0			0			0			0			0			0			0	
Allow Growth?		1			1			1			1			1			1			1			1			1	
Has MP?		0			0			0			0			0			0			0			0			0	
BFC forests	0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
Happy Cap		12			12			11			11			11			11			11			11			12	
Healthy Cap		8			8			8			8			8			8			8			9			9	
Turns to growth		N/A			5.43			3.88			N/A			N/A			2.5			1.5			NEXT			5	
Turns to produce		N/A			11.75			NEXT			N/A			N/A			66			65			64			15.75	
Can Whip?		NO	2		NO	2		1(2)	1		NO	2		NO	2		NO	2		NO	2		NO	2		NO	2
Whip Timer		12			11			25			24			23			22			21			20			19	
Has Grown?		GREW																								GREW	
Has Produced?										PRODUCED																	
In Revolt?		REVOLT								REVOLT			REVOLT														
Unhealthy?																											
Population Check																											
Tile Check (SR)																											
PPP Tiles Worked		B,RF,GM			B,RF,GM			B,RF			B,RF			B,RF			B,RF			B,RF			B,RF			B,RF,GM	
PPP Tiles Changed		+GM						-GM																		+GM	
PPP Whip								WHIP																			
PPP Chop																											

Notes

Gworkshop done Gworkshop

Spicy Rice

Turn	207				208				209				210				211				212				213			
Food Box	7	11	4	4	15	4	4	19	4	4	23	4	4	27	4	4	31	4	4	35	4							
Granary Box		0	0		0	0		0	0		0	0		0	0		0	0		0	0			0	0			
Population	0	3	0	0	3	0	0	3	0	0	3	0	0	3	0	0	3	0	0	3	0	0		3	0			
Food Box size	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39		39	39			
Build Queue Movements	1		1	1		1	1		1	1		1	1		1	1		1	1		1	1		1	1		1	
Build Item		Granary			Granary			Granary			Granary			Granary			Granary			Granary				Granary				
Hammer Box	4	31	6	6	37	6	6	43	6	6	49	6	6	55	6	6	61	6	6	67	6							
Size		90			90			90			90			90			90			90				90				
Multiplier	1	1		1	1		1	1		1	1		1	1		1	1		1	1		1	1		1			
Do whip?		0			0			0			0			0			0			0				0				
Not Revolting?		1			1			1			1			1			1			1				1				
Chop Hammers?		0			0			0			0			0			0			0				0				
In Golden Age?		0			0			0			0			0			0			0				0				
Allow Growth?		1			1			1			1			1			1			1				1				
Has MP?		0			0			0			0			0			0			0				0				
BFC forests	0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0			
Happy Cap		12			12			12			13			13			13			13				13				
Healthy Cap		9			9			9			9			9			9			9				9				
Turns to growth		7			6			5			4			3			2											
Turns to produce		9.83			8.83			7.83			6.83			5.83			4.83											
Can Whip?		NO	2		NO	2		NO	2		1(4)	1		1(10)	1		1(16)	1		1(22)	1							
Whip Timer		18			17			16			15			14			13							12				
Has Grown?																												
Has Produced?																												
In Revolt?																												
Unhealthy?																												
Population Check																												
Tile Check (SR)																												
PPP Tiles Worked		B,GW,GM			B,GW,GM			B,GW,GM			B,GW,GM			B,GW,GM			B,GW,GM			B,GW,GM				B,GW,GM				
PPP Tiles Changed		-RF,+GW																										
PPP Whip																												
PPP Chop																												

Notes

Hastings																																				
Turn	198				199				200				201				202				203				204				205				206			
Food Box	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
Granary Box		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0						
Population	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	1	0	0	1	0	0	1	0	0	1	0	0	1	0						
Food Box size	30	30	30	30	30	30	30	30	30	30	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33						
Build Queue Movements	1			1	1			1	1			1	1			1	1			1	1			1	1			1	1	1						
Build Item		Granary				Granary				Granary				Granary				Granary				Granary				Granary				Granary						
Hammer Box	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	2	1					
Size		90				90				90				90				90				90				90				90						
Multiplier	1	1		1	1		1	1		1	1		1	1		1	1		1	1		1	1		1	1		1	1	1						
Do whip?		0			0			0			0			0			0			0			0			0			0		0					
Not Revolting?		0			1			1			0			0			0			1			1			1			1		1					
Chop Hammers?		0			0			0			0			0			0			0			0			0			0		0					
In Golden Age?		0			0			0			0			0			0			0			0			0			0		0					
Allow Growth?		1			1			1			1			1			1			1			1			1			1		1					
Has MP?		0			0			0			0			0			0			0			0			0			0		0					
Happy Cap		13				13				13				13				13				13				13				14						
Healthy Cap		10				10				10				10				10				10				11				11						
Turns to growth		N/A				N/A				N/A				N/A				N/A				N/A				N/A				N/A						
Turns to produce		N/A				N/A				N/A				N/A				N/A				90				89				88						
Can Whip?		NO	4			NO	4			NO	4			NO	4			NO	4			NO	4			NO	2			NO	2					
Whip Timer		0				0				0				0				0				0				0				0						
Has Grown?																																				
Has Produced?																																				
In Revolt?		REVOLT								REVOLT				REVOLT				REVOLT																		
Unhealthy?																																				
Population Check																																				
Tile Check (Hastings)																																				
PPP Tiles Worked																						Art				Art				Art						
PPP Tiles Changed																						+Art														
PPP Whip																																				
PPP Chop																																				
Notes	el	To forest				Road				Done road				Road				Barlow to chop NNE forest				Done road				To NN forest				Chop						

Hastings																												
Turn	207				208				209				210				211				212				213			
Food Box	0	0	5	5	5	5	5	10	5	5	15	5	5	20	5	5	25	5	5	30	5							
Granary Box		0	0		0	0		0	0		0	0		5	5		10	10		15	15							
Population	0	1	0	0	1	0	0	1	0	0	1	0	0	1	0	0	1	0	0	1	0							
Food Box size	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33							
Build Queue Movements	1		1	1		1	1		1	1		1	1		1	1		1	1		1							
Build Item		Granary			Granary			Granary			Granary			Barracks			Barracks			Barracks								
Hammer Box	1	3	1	1	4	45	45	49	1	1	50	45	45	0	6	6	6	1	1	7	1							
Size		90			90			90			90			90			90			90								
Multiplier	1	1		1	1		1	1		1	1		1	1		1	1		1	1								
Do whip?		0			0			0			0			0			0			0								
Not Revolting?		1			1			1			1			1			1			1								
Chop Hammers?		0			44			0			44			0			0			0								
In Golden Age?		0			0			0			0			0			0			0								
Allow Growth?		1			1			1			1			1			1			1								
Has MP?		0			0			0			0			0			0			0								
Happy Cap		14			14			14			14			14			14			14								
Healthy Cap		11			11			11			11			13			13			13								
Turns to growth		6.6			5.6			4.6			3.6			2.6			1.6			NEXT								
Turns to produce		87			42			41			NEXT			85			84			83								
Can Whip?		NO	2		NO	2		NO	1		NO	1		NO	4		NO	2		NO	2							
Whip Timer		0			0			0			0			0			0			0								
Has Grown?																												
Has Produced?																												
In Revolt?																												
Unhealthy?																												
Population Check																												
Tile Check (Hastings)																												
PPP Tiles Worked		B			B			B			B			B			B			B								
PPP Tiles Changed		+B,-Art																										
PPP Whip																												
PPP Chop					CHOP			CHOP			CHOP			Chop			Workshop NE			Marble Quarry								
Notes					Done chop			Barlow to London			Brunel to spice			Chop			Workshop NE			Marble Quarry								