

APPENDIX 1

Exchange rates

Table A1.1. Ratio of Turkish *akçe* to *hyperpyron*

| Date | <i>Akçe</i> | <i>Hyperpyron</i> | Source |
|-------------|---------------------------------------------|-------------------|----------------------------------------------------------------------------------------------------------------|
| 1436.iv.8 | 11 <i>aspers</i> 2 <i>tornexi</i> | 1 | Badoer, <i>Libro</i> , col. 48 p. 96, col. 29 p. 59 |
| 1436.iv.10 | 11 <i>aspers</i> 2 <i>tornexi</i> | 1 | <i>ibid.</i> , col. 48 p. 96, col. 3 p. 7 |
| 1436.iv.30 | 11 <i>aspers</i> 2 <i>tornexi</i> | 1 | <i>ibid.</i> , col. 56 p. 112, col. 3 p. 7 |
| 1436.ix.7 | 11 <i>aspers</i> 6 <i>tornexi</i> | 1 | <i>ibid.</i> , col. 3 p. 6, col. 7 p. 15 |
| 1436.xi.8 | 11 <i>aspers</i> 4 <i>tornexi</i> | 1 | <i>ibid.</i> , col. 33 p. 66, col. 16 p. 33 |
| 1436.xi.8 | 11 <i>aspers</i> 4 <i>tornexi</i> | 1 | <i>ibid.</i> , col. 33 p. 66, col. 18 p. 37 |
| 1436.xi.8 | 11 <i>aspers</i> 4 <i>tornexi</i> | 1 | <i>ibid.</i> , col. 33 p. 66, col. 33 p. 67 |
| 1436.xii.5 | 11 <i>aspers</i> 4 <i>tornexi</i> | 1 | <i>ibid.</i> , col. 16 p. 32, col. 29 p. 59 |
| 1436.xii.7 | 11 <i>aspers</i> 4 <i>tornexi</i> | 1 | <i>ibid.</i> , col. 33 p. 66, col. 16 p. 33 |
| 1437.ii.17 | 11 <i>aspers</i> | 1 | <i>ibid.</i> , col. 175 p. 352, col. 125 p. 253 (the cross-reference is to col. 134 but should be to col. 125) |
| 1437.iii.11 | 11 <i>aspers</i> 2 <i>tornexi</i> | 1 | <i>ibid.</i> , col. 36 p. 72, col. 55 p. 111 |
| 1437.iii.13 | 100 <i>aspers</i> | 9 | <i>ibid.</i> , col. 63 p. 126, col. 55 p. 111 |
| 1437.iii.16 | 11 <i>aspers</i> 9 <i>tornexi</i> | 1 | <i>ibid.</i> , col. 61 p. 122, col. 57 p. 115 |
| 1437.iii.31 | 11 <i>aspers</i> mancho <i>tornexi</i> 5 | 1 | <i>ibid.</i> , col. 125 p. 252, col. 186 p. 375 |
| 1437.iii.31 | 11 <i>aspers</i> | 1 | <i>ibid.</i> , col. 125 p. 252, col. 204 p. 411 |
| 1437.iii.31 | 11 <i>aspers</i> | 1 | <i>ibid.</i> , col. 125 p. 252, col. 204 p. 411 |

Table A1.1. (*contd*)

| Date | <i>Akçe</i> | <i>Hyperpyron</i> | Source |
|--------------|-----------------------------------------------|-------------------|---------------------------------------------------------------------------------------------------------------------------|
| 1437.iv.13 | 11 <i>aspers</i> 1.5 <i>tornexi</i> | 1 | <i>ibid.</i> , col. 55 p. 110 (cross-references to col. 48, but there is no corresponding entry there) |
| 1437.iv.30 | 100 <i>aspers</i> | 9 | <i>ibid.</i> , col. 57 p. 114, col. 43 p. 87 |
| 1437.iv.30 | 11 <i>aspers</i> 1.5 <i>tornexi</i> | 1 | <i>ibid.</i> , col. 55 p. 110, col. 36 p. 73 |
| 1437.iv.30 | 11 <i>aspers</i> 1.5 <i>tornexi</i> | 1 | <i>ibid.</i> , col. 56 p. 112, col. 36 p. 73 |
| 1437.iv.30 | 100 <i>aspers</i> | 9 | <i>ibid.</i> , col. 56 p. 112, col. 57 p. 115 |
| 1437.vii.9 | 100 <i>aspers</i> | 9 | <i>ibid.</i> , col. 61 p. 122 (cross-references to col. 57 but there is no corresponding entry there) |
| 1437.vii.9 | 100 <i>aspers</i> | 9 | <i>ibid.</i> , col. 61 p. 122 (cross-references to col. 57 but there is no corresponding entry there) |
| 1437.vii.18 | 11 <i>aspers</i> mancho <i>tornexi</i> 5.5 | 1 | <i>ibid.</i> , col. 125 p. 252, col. 183 p. 369 |
| 1437.vii.18 | 11 <i>aspers</i> | 1 | <i>ibid.</i> , col. 48 p. 96, col. 57 p. 115 |
| 1437.vii.18 | 11 <i>aspers</i> | 1 | <i>ibid.</i> , col. 48 p. 96, col. 57 p. 115 |
| 1437.vii.20 | 11 <i>aspers</i> | 1 | <i>ibid.</i> , col. 48 p. 96, col. 75 p. 153 |
| 1437.vii.23 | 11 <i>aspers</i> 4 <i>tornexi</i> | 1 | <i>ibid.</i> , col. 61 p. 122, col. 33 p. 67 |
| 1437.vii.23 | 11 <i>aspers</i> | 1 | <i>ibid.</i> , col. 48 p. 96, col. 75 p. 153 |
| 1437.vii.24 | 11 <i>aspers</i> | 1 | <i>ibid.</i> , col. 92 p. 186, col. 88 p. 179 |
| 1437.viii.5 | 11 <i>aspers</i> | 1 | <i>ibid.</i> , col. 175 p. 352, col. 125 p. 253 |
| 1437.viii.5 | 11 <i>aspers</i> | 1 | <i>ibid.</i> , col. 175 p. 352, col. 125 p. 253 |
| 1437.viii.5 | 11 <i>aspers</i> | 1 | <i>ibid.</i> , col. 175 p. 352, col. 125 p. 253 |
| 1437.viii.5 | 11 <i>aspers</i> | 1 | <i>ibid.</i> , col. 175 p. 352, col. 125 p. 253 |
| 1437.viii.21 | 11 <i>aspers</i> | 1 | <i>ibid.</i> , col. 93 p. 188, col. 92 p. 187 |
| 1437.ix.2 | 11 <i>aspers</i> mancho <i>tornexi</i> 5.5 | 1 | <i>ibid.</i> , col. 125 p. 252, col. 231 p. 465 (c.231 = 1 <i>hyperpyron</i> = 11 <i>aspers</i> mancho 5 <i>tornexi</i>) |
| 1437.ix.18 | 11 <i>aspers</i> | 1 | <i>ibid.</i> , col. 82 p. 166, col. 175 p. 353 |

Table A1.1. (*contd*)

| Date | Akçe | Hyperpyron | Source |
|--------------|-----------------------------------------------|------------|----------------------------------------------------|
| 1437.ix.20 | 100 <i>aspers</i> | 9 | <i>ibid.</i> , col. 57 p. 114, col. 60 p. 121 |
| 1437.ix.20 | 100 <i>aspers</i> | 9 | <i>ibid.</i> , col. 57 p. 114, col. 43 p. 87 |
| 1437.ix.20 | 100 <i>aspers</i> | 9 | <i>ibid.</i> , col. 57 p. 114, col. 60 p. 121 |
| 1437.ix.20 | 100 <i>aspers</i> | 9 | <i>ibid.</i> , col. 116 p. 234, col. 57 p. 115 |
| 1437.x.9 | 11 <i>aspers</i> | 1 | <i>ibid.</i> , col. 92 p. 186, col. 47 p. 93 |
| 1437.xi.28 | 11 <i>aspers</i> | 1 | <i>ibid.</i> , col. 131 p. 264, col. 46 p. 93 |
| 1437.xi.28 | 11 <i>aspers</i> | 1 | <i>ibid.</i> , col. 131 p. 264, col. 46 p. 93 |
| 1437.xii.23 | 11 <i>aspers mancho</i> 1 <i>tornexe</i> | 1 | <i>ibid.</i> , col. 167 p. 336, col. 131 p. 265 |
| 1437.xii.24 | 11 <i>aspers mancho</i> 1 <i>tornexe</i> | 1 | <i>ibid.</i> , col. 167 p. 336, col. 131 p. 265 |
| 1438.iii.20 | 11 <i>aspers mancho</i> <i>tornexi</i> 5 | 1 | <i>ibid.</i> , col. 197 p. 396, col. 186 p. 375 |
| 1438.iii.20 | 10.6 <i>aspers</i> | 1 | <i>ibid.</i> , col. 197 p. 396, col. 186 p. 375 |
| 1438.vi.1 | 11 <i>aspers mancho</i> <i>tornexi</i> 5.5 | 1 | <i>ibid.</i> , col. 186 p. 374, col. 201 p. 405 |
| 1438.vi.7 | 11 <i>aspers mancho</i> <i>tornexi</i> 6 | 1 | <i>ibid.</i> , col. 194 p. 390, col. 186 p. 375 |
| 1438.iv.16 | 10.5 <i>aspers</i> 3 <i>tornexi</i> | 1 | <i>ibid.</i> , col. 316 p. 634, col. 155 p. 313 |
| 1438.viii.5 | 11 <i>aspers</i> | 1 | <i>ibid.</i> , col. 191 p. 384, col. 175 p. 353 |
| 1438.viii.18 | 10.5 <i>aspers</i> | 1 | <i>ibid.</i> , col. 227 p. 456, col. 61 p. 123 |
| 1438.viii.18 | 10.5 <i>aspers</i> | 1 | <i>ibid.</i> , col. 230 p. 462, col. 89 p. 181 |
| 1438.ix.18 | 10.5 <i>aspers</i> | 1 | <i>ibid.</i> , col. 247 p. 496, col. 175 p. 353 |
| 1438.ix.18 | 10.5 <i>aspers</i> | 1 | <i>ibid.</i> , col. 247 p. 496, col. 175 p. 353 |
| 1438.xii.13 | 10.5 <i>aspers</i> 2 <i>tornexi</i> | 1 | <i>ibid.</i> , col. 227 p. 456, col. 209 p. 421 |
| 1438.xii.28 | 10.5 <i>aspers</i> | 1 | <i>ibid.</i> , col. 134 p. 270, col. 227 p. 457 |

Table A1.2. Ratio of *akçe* of Samsun to 1 *hyperpyron*

| Date | <i>Akçe</i> | Source |
|-------------|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1437.xi.28 | 19 | Badoer, <i>Libro</i> , col. 102 p. 206, col. 152 p. 307. col. 102 has 17 <i>aspers</i> per <i>hyperpyron</i> . col. 152 has 19, the correct figure as shown by the calculation of the figures given in the entry |
| 1437.xii.18 | 19 | <i>ibid.</i> , col. 44 p. 188, col. 152 p. 307 |
| 1437.xii.18 | 19 | <i>ibid.</i> , col. 44 p. 188, col. 152 p. 307 |
| 1437.xii.18 | 19 | <i>ibid.</i> , col. 152 p. 306, col. 44 p. 89 |
| 1437.xii.18 | 19 | <i>ibid.</i> , col. 152 p. 306, col. 152 p. 307 |

Table A1.3. Ratio of *akçe* of Trabzon to 1 *hyperpyron*

| Date | <i>Akçe</i> | Source |
|-------------|-------------|----------------------------------------------------|
| 1436.xi.5 | 33.3 | Badoer, <i>Libro</i> , col. 21 p. 42, col. 7 p. 15 |
| 1436.xi.10 | 33.3 | <i>ibid.</i> , col. 7 p. 14, col. 7 p. 15 |
| 1437.i.2 | 36 | <i>ibid.</i> , col. 173 p. 348, col. 166 p. 335 |
| 1437.i.22 | 36 | <i>ibid.</i> , col. 166 p. 334, col. 166 p. 335 |
| 1437.i.24 | 40 | <i>ibid.</i> , col. 173 p. 348, col. 51 p. 103 |
| 1437.i.24 | 36 | <i>ibid.</i> , col. 153 p. 308, col. 173 p. 349 |
| 1437.xii.5 | 36 | <i>ibid.</i> , col. 153 p. 308, col. 51 p. 103 |
| 1437.xii.5 | 36 | <i>ibid.</i> , col. 153 p. 308, col. 51 p. 103 |
| 1437.xii.5 | 36 | <i>ibid.</i> , col. 153 p. 308, col. 51 p. 103 |
| 1437.xii.5 | 36 | <i>ibid.</i> , col. 90 p. 182, col. 153 p. 309 |
| 1437.xii.18 | 40 | <i>ibid.</i> , col. 51 p. 102, col. 166 p. 335 |
| 1437.xii.18 | 40 | <i>ibid.</i> , col. 166 p. 334, col. 44 p. 89 |
| 1437.xii.18 | 40 | <i>ibid.</i> , col. 166 p. 334, col. 152 p. 307 |
| 1438.iv.19 | 36 | <i>ibid.</i> , col. 153 p. 308, col. 173 p. 349 |
| 1438.iv.19 | 36 | <i>ibid.</i> , col. 153 p. 308, col. 153 p. 309 |
| 1438.iv.19 | 36 | <i>ibid.</i> , col. 153 p. 308, col. 153 p. 309 |
| 1438.iv.19 | 36 | <i>ibid.</i> , col. 185 p. 372, col. 153 p. 309 |
| 1438.iv.19 | 36 | <i>ibid.</i> , col. 185 p. 372, col. 153 p. 309 |
| 1438.xii.8 | 36 | <i>ibid.</i> , col. 278 p. 558, col. 185 p. 373 |
| 1438.xii.18 | 36 | <i>ibid.</i> , col. 288 p. 578, col. 185 p. 373 |

Table A1.4. Ratio of *hyperpyron* to 1 Turkish *ducat*

| Date | <i>Hyperpyra</i> | Source |
|-------------|---------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1436.i.13 | 2 <i>hyperpyra</i> 1.5 <i>karati</i> | Badoer, <i>Libro</i> , col. 3 p. 7. The cross-reference is to col. 16 but there is no corresponding entry on that page. This and the next two entries are all part of the same transaction but with varying exchange rates |
| 1436.i.13 | 2 <i>hyperpyra</i> 1 <i>karati</i> 2 <i>tornexi</i> | <i>ibid.</i> |
| 1436.i.13 | 2 <i>hyperpyra</i> 2 <i>karati</i> 10 <i>tornexi</i> | <i>ibid.</i> |
| 1436.ii.13 | 2 <i>hyperpyra</i> 10 <i>tornexi</i> | <i>ibid.</i> , col. 48 p. 96, col. 29 p. 59 |
| 1436.ii.20 | 2 <i>hyperpyra</i> 1.5 <i>karati</i> | <i>ibid.</i> , col. 3 p. 6, col. 48 p. 97 |
| 1436.ii.20 | 2 <i>hyperpyra</i> 1.5 <i>karati</i> | <i>ibid.</i> , col. 40 p. 80, col. 48 p. 97 |
| 1437.iii.8 | 2 <i>hyperpyra</i> 1.5 <i>karati</i> | <i>ibid.</i> , col. 51 p. 102, col. 48 p. 97 This and the next entry are the same transaction but with two different exchange rates |
| 1437.iii.8 | 2 <i>hyperpyra</i> 2.5 <i>karati</i> | <i>ibid.</i> , col. 51 p. 102, col. 48 p. 97 |
| 1437.xi.2 | 2 <i>hyperpyra</i> 1.5 <i>karati</i> | <i>ibid.</i> , col. 40 p. 80, col. 48 p. 97 |
| 1438.iii.23 | 2 <i>hyperpyra</i> | <i>ibid.</i> , col. 180 p. 362, col. 186 p. 375 |