Table C.1: Regression Results

| <u></u>                                   |                     |                     |                     | Dependent           | variable:           |                     |                        |                    |
|---|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|------------------------|--------------------|
|   |                     | pre                 | financialisati      | ion period          | financia            |                     |                        |                    |
|   | $h_{S\&P500}$          | $h_{S\&P500}$      |
| Υ <sub>1</sub> h Wheat 1                  | 5.037<br>(24.879)   |                     |                     |                     | 0.046**<br>(0.023)  |                     |                        |                    |
| $\Upsilon_2 h$ Wheat 2                    | , ,                 | -0.026 (0.017)      |                     |                     | ` ,                 | 0.047** (0.022)     |                        |                    |
| Υ <sub>3</sub> h <sub>Wheat 3</sub>       |                     | , ,                 | -0.084 $(0.052)$    |                     |                     | , ,                 | $0.052^{**}$ $(0.023)$ |                    |
| $\Upsilon_4 h$ Wheat 4                    |                     |                     | , ,                 | -0.036** (0.017)    |                     |                     | ,                      | 0.049**<br>(0.022) |
| $\Upsilon_0$                              | -0.00000 $(0.0001)$ | -0.00001 $(0.0001)$ | -0.00001 $(0.0001)$ | -0.00001 $(0.0001)$ | -0.00001 $(0.0001)$ | -0.00001 $(0.0001)$ | -0.00001 $(0.0001)$    | -0.0000            |
| Observations                              | 572                 | 572                 | 572                 | 572                 | 833                 | 833                 | 833                    | 833                |
| R <sup>2</sup><br>Adjusted R <sup>2</sup> | 0.0001 $-0.002$     | $0.004 \\ 0.002$    | $0.004 \\ 0.003$    | $0.007 \\ 0.006$    | $0.005 \\ 0.004$    | $0.005 \\ 0.004$    | $0.006 \\ 0.005$       | $0.006 \\ 0.005$   |

This table represents OLS regressions:  $h_{S\&P500} = \Upsilon_0 + \sum_{t=1}^{4} \Upsilon_1 h_{j,t} + \vartheta_{j,t}$  that examines how conditional volatility of commodity impacts on the conditional volatility of equities during pre-Note:financialisation and financialisation period. Standard errors  $\vartheta_{i,t}$  in parentheses.  $\Upsilon$ , h and Wheat represent coefficient of commodity futures conditional volatility, conditional volatility, and wheat futures contract respectively. \*\*\*,\*\*, and \* denote statistical significance at 1%, 5%, and 10% level.

Table C.2: Regression Results

| _                             |                     |                     |                     | Dependent           | variable:           |                     |                     |                     |
|-------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
|                               |                     | pre                 | financialisat       | ion period          | financia            | alisation perio     | od                  |                     |
|                               | $h_{S\&P500}$       |
| $\Upsilon_1 h_{KC\ Wheat\ 1}$ | -0.030 $(0.022)$    |                     |                     |                     | 0.087**<br>(0.043)  |                     |                     |                     |
| $\Upsilon_2 h$ KC Wheat 2     | ( )                 | -0.040 (0.031)      |                     |                     | (=)                 | 0.067** $(0.032)$   |                     |                     |
| $\Upsilon_3 h$ KC Wheat 3     |                     | ( )                 | -0.029 $(0.040)$    |                     |                     | (= == )             | 0.059** (0.028)     |                     |
| $\Upsilon_4 h$ KC Wheat 4     |                     |                     | ,                   | -0.024 (0.030)      |                     |                     | ,                   | 0.050**<br>(0.022)  |
| $\Upsilon_0$                  | -0.00001 $(0.0001)$ | -0.00001 $(0.0001)$ | -0.00001 $(0.0001)$ | -0.00001 $(0.0001)$ | -0.00001 $(0.0001)$ | -0.00001 $(0.0001)$ | -0.00001 $(0.0001)$ | -0.00001 $(0.0001)$ |
| Observations                  | 572                 | 572                 | 572                 | 572                 | 833                 | 833                 | 833                 | 833                 |
| $\mathbb{R}^2$                | 0.003               | 0.003               | 0.001               | 0.001               | 0.005               | 0.005               | 0.005               | 0.006               |
| Adjusted R <sup>2</sup>       | 0.001               | 0.001               | -0.001              | -0.001              | 0.004               | 0.004               | 0.004               | 0.005               |

This table represents OLS regressions:  $h_{S\&P500} = \Upsilon_0 + \sum_{t=1}^4 \Upsilon_1 h_{j,t} + \vartheta_{j,t}$  that examines how conditional volatility of commodity impacts on the conditional volatility of equities during prefinancialisation and financialisation period. Standard errors  $\vartheta_{i,t}$  in parentheses.  $\Upsilon$ , h and KCwheat represent coefficient of commodity futures conditional volatility, conditional volatility, and Kanass City wheat futures contract respectively. \*\*\*,\*\*\*, and \* denote statistical significance at 1%, 5%, and 10% level.

Appendix C. Online Appendix

Table C.3: Regression Results

| _                           |                     |                     |                     | Depend              | ent variable:       |                     |                     |                     |
|-----------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
|                             |                     |                     | pre financiali      | isation period      | financ              | cialisation perio   | od                  |                     |
|                             | $h_{S\&P500}$       |
| $\Upsilon_1 h_{Corn\ 1}$    | 0.003 $(0.018)$     |                     |                     |                     | 0.059***<br>(0.019) |                     |                     |                     |
| $\Upsilon_2 h$ Corn 2       | , ,                 | -0.010 $(0.029)$    |                     |                     | , ,                 | 0.073*** $(0.022)$  |                     |                     |
| $\Upsilon_3h$ Corn 3        |                     | , ,                 | -5.049 (31.651)     |                     |                     | , ,                 | 0.104***<br>(0.028) |                     |
| $\Upsilon_4 h$ Corn 4       |                     |                     |                     | -7.324 (140.565)    |                     |                     |                     | 0.148***<br>(0.035) |
| $\Upsilon_0$                | -0.00001 $(0.0001)$ | -0.00001 $(0.0001)$ | -0.00001 $(0.0001)$ | -0.00002 $(0.0002)$ | -0.00001 $(0.0001)$ | -0.00000 $(0.0001)$ | -0.00000 $(0.0001)$ | -0.00000 $(0.0001)$ |
| Observations R <sup>2</sup> | 572<br>0.00004      | 572<br>0.0002       | 572 $0.00004$       | 572<br>0.00000      | 833<br>0.012        | 833<br>0.013        | 833<br>0.016        | 833<br>0.021        |
| Adjusted R <sup>2</sup>     | -0.002              | -0.002              | -0.002              | -0.002              | 0.011               | 0.012               | 0.015               | 0.020               |

Note: This table represents OLS regressions by:  $h_{S\&P500} = \Upsilon_0 + \sum_{t=1}^4 \Upsilon_1 h_{j,t} + \vartheta_{j,t}$  that examines how conditional volatility of commodity impacts on the conditional volatility of equities during prefinancialisation and financialisation period. Standard errors  $\vartheta_{i,t}$  in parentheses.  $\Upsilon$ , h and Corn represent coefficient of commodity futures conditional volatility, conditional volatility, and corn futures contract respectively. \*\*\*,\*\*, and \* denote statistical significance at 1%, 5%, and 10% level.

Table C.4: Regression Results

| _                           |               |               |                 | Depende       | nt variable:  |                 |               |               |
|-----------------------------|---------------|---------------|-----------------|---------------|---------------|-----------------|---------------|---------------|
|                             |               | p             | re financialisa | ation period  | finan         | cialisation per | riod          |               |
|                             | $h_{S\&P500}$ | $h_{S\&P500}$ | $h_{S\&P500}$   | $h_{S\&P500}$ | $h_{S\&P500}$ | $h_{S\&P500}$   | $h_{S\&P500}$ | $h_{S\&P500}$ |
| $\Upsilon_1 h_{Soybean\ 1}$ | -0.039*       |               |                 |               | 0.027**       |                 |               |               |
|                             | (0.023)       |               |                 |               | (0.014)       |                 |               |               |
| $\Upsilon_2 h_{Soybean\ 2}$ |               | -0.047        |                 |               |               | 0.059**         |               |               |
| v                           |               | (0.035)       |                 |               |               | (0.023)         |               |               |
| $\Upsilon_3 h_{Soybean 3}$  |               |               | -50.021         |               |               |                 | 0.061***      |               |
| v                           |               |               | (34.486)        |               |               |                 | (0.024)       |               |
| $\Upsilon_4 h_{Soybean 4}$  |               |               |                 | -146.986      |               |                 |               | 0.091***      |
|                             |               |               |                 | (121.925)     |               |                 |               | (0.029)       |
| $\Upsilon_0$                | -0.00001      | -0.00001      | 0.00003         | 0.00004       | -0.00001      | -0.00001        | -0.00001      | -0.00000      |
|                             | (0.0001)      | (0.0001)      | (0.0001)        | (0.0001)      | (0.0001)      | (0.0001)        | (0.0001)      | (0.0001)      |
| Observations                | 572           | 572           | 572             | 572           | 833           | 833             | 833           | 833           |
| $\mathbb{R}^2$              | 0.005         | 0.003         | 0.004           | 0.003         | 0.005         | 0.008           | 0.008         | 0.012         |
| Adjusted R <sup>2</sup>     | 0.003         | 0.001         | 0.002           | 0.001         | 0.003         | 0.006           | 0.007         | 0.011         |

Note: This table represents OLS regressions by:  $h_{S\&P500} = \Upsilon_0 + \sum_{t=1}^4 \Upsilon_1 h_{j,t} + \vartheta_{j,t}$  that examines how conditional volatility of commodity impacts on the conditional volatility of equities during prefinancialisation and financialisation period. Standard errors  $\vartheta_{i,t}$  in parentheses.  $\Upsilon$ , h and Soybean represent coefficient of commodity futures conditional volatility, conditional volatility, and soybean futures contract respectively. \*\*\*\*,\*\*, and \* denote statistical significance at 1%, 5%, and 10% level.

Table C.5: Regression Results

| _   |                      |                    |                             | Depend              | lent variable:      |                     |                     |                     |
|---|----------------------|--------------------|-----------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
|   |                      |                    | pre financialisation period |                     | finan               | cialisation perio   | od                  |                     |
|   | $h_{S\&P500}$        | $h_{S\&P500}$      | $h_{S\&P500}$               | $h_{S\&P500}$       | $h_{S\&P500}$       | $h_{S\&P500}$       | $h_{S\&P500}$       | $h_{S\&P500}$       |
| Υ <sub>1</sub> h <sub>Soybean oil 1</sub> | -520.316 $(431.725)$ |                    |                             |                     | 0.175***<br>(0.057) |                     |                     |                     |
| $\Upsilon_2 h$ Soybean oil 2              | ,                    | -293.221 (221.290) |                             |                     | , ,                 | 0.191***<br>(0.057) |                     |                     |
| $\Upsilon_3 h$ Soybean oil 3              |                      | ,                  | -19.588 (16.122)            |                     |                     |                     | 0.199***<br>(0.059) |                     |
| $\Upsilon_4 h$ Soybean oil 4              |                      |                    | ,                           | -0.061 (0.037)      |                     |                     | ,                   | 0.207**<br>(0.059)  |
| $\Upsilon_0$                              | 0.0003 $(0.0003)$    | 0.0003 $(0.0003)$  | 0.00002 $(0.0001)$          | -0.00001 $(0.0001)$ | -0.00000 $(0.0001)$ | -0.00000 $(0.0001)$ | -0.00000 $(0.0001)$ | -0.00000 $(0.0001)$ |
| Observations                              | 572                  | 572                | 572                         | 572                 | 833                 | 833                 | 833                 | 833                 |
| $\mathbb{R}^2$                            | 0.003                | 0.003              | 0.003                       | 0.005               | 0.011               | 0.013               | 0.014               | 0.015               |
| Adjusted R <sup>2</sup>                   | 0.001                | 0.001              | 0.001                       | 0.003               | 0.010               | 0.012               | 0.012               | 0.013               |

This table represents OLS regressions by:  $h_{S\&P500} = \Upsilon_0 + \sum_{t=1}^{4} \Upsilon_1 h_{j,t} + \vartheta_{j,t}$  that examines how conditional volatility of commodity impacts on the conditional volatility of equities during prefinancialisation and financialisation period. Standard errors  $\vartheta_{i,t}$  in parentheses.  $\Upsilon$ , h and Soybeanoil represent coefficient of commodity futures conditional volatility, conditional volatility, and soybean oil futures contract respectively. \*\*\*, \*\*, and \* denote statistical significance at 1%, 5%, and 10%

Table C.6: Regression Results

|                          |               |               |                | Dependent vo  | ıriable:         |               |
|--------------------------|---------------|---------------|----------------|---------------|------------------|---------------|
|                          |               | pre fir       | nancialisation | period        | financialisation | period        |
|                          | $h_{S\&P500}$ | $h_{S\&P500}$ | $h_{S\&P500}$  | $h_{S\&P500}$ | $h_{S\&P500}$    | $h_{S\&P500}$ |
| $\Upsilon_1 h_{Oats 1}$  | $0.037^{*}$   |               |                | 0.165         |                  |               |
|                          | (0.019)       |               |                | (0.235)       |                  |               |
| $\Upsilon_2 h_{Oats\ 2}$ | , ,           | 0.018         |                | , ,           | 0.125            |               |
|                          |               | (0.016)       |                |               | (0.083)          |               |
| $\Upsilon_3 h_{Oats 3}$  |               | , ,           | 0.028          |               | , ,              | 0.185**       |
|                          |               |               | (0.022)        |               |                  | (0.085)       |
| $\Upsilon_0$             | -0.00001      | -0.00001      | -0.00001       | -0.00001      | -0.00000         | -0.00000      |
|                          | (0.0001)      | (0.0001)      | (0.0001)       | (0.0001)      | (0.0001)         | (0.0001)      |
| Observations             | 572           | 572           | 572            | 833           | 833              | 833           |
| $\mathbb{R}^2$           | 0.006         | 0.002         | 0.003          | 0.001         | 0.003            | 0.006         |
| Adjusted R <sup>2</sup>  | 0.005         | 0.001         | 0.001          | -0.001        | 0.002            | 0.005         |

This table represents OLS regression:  $h_{S\&P500} = \Upsilon_0 + \sum_{t=1}^{4} \Upsilon_1 h_{j,t} + \vartheta_{j,t}$  that examines how conditional volatility of commodity impacts on the conditional volatility of equities during prefinancialisation and financialisation period. Standard errors  $\vartheta_{i,t}$  in parentheses.  $\Upsilon$ , h and Oats represent coefficient of commodity futures conditional volatility, conditional volatility, and oats futures contract respectively. \*\*\*, \*\*\*, and \* denote statistical significance at 1%, 5%, and 10% level.

Appendix C. Online Appendix

Table C.7: Regression Results

|  |                     |                     |                     | Dependent           | variable:           |                     |                     |                     |
|--|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
|  |                     | pre                 | financialisatio     | on period           | financia            | alisation perio     | od                  |                     |
|  | $h_{\ SP500}$       | $h_{SP500}$         | $h_{SP500}$         | $h_{SP500}$         | $h_{\ SP500}$       | $h_{SP500}$         | $h_{SP500}$         | $h_{SP500}$         |
| Υ <sub>1</sub> h <sub>MPLS Wheat 1</sub> | -0.047 (0.037)      |                     |                     |                     | 0.030*<br>(0.016)   |                     |                     |                     |
| $\Upsilon_2 h$ MPLS Wheat 2              | , ,                 | -0.033 (0.036)      |                     |                     | ,                   | 0.031**<br>(0.015)  |                     |                     |
| Υ <sub>3</sub> h <sub>MPLS</sub> Wheat 3 |                     | , ,                 | -0.023 (0.038)      |                     |                     | , ,                 | 0.034**<br>(0.015)  |                     |
| $\Upsilon_4 h$ MPLS Wheat 4              |                     |                     | ,                   | -0.016 $(0.043)$    |                     |                     | , ,                 | 0.038**<br>(0.015)  |
| $\Upsilon_0$                             | -0.00002 $(0.0001)$ | -0.00002 $(0.0001)$ | -0.00002 $(0.0001)$ | -0.00002 $(0.0001)$ | -0.00000 $(0.0001)$ | -0.00000 $(0.0001)$ | -0.00000 $(0.0001)$ | -0.00000 $(0.0001)$ |
| Observations                             | 463                 | 463                 | 463                 | 463                 | 749                 | 749                 | 749                 | 749                 |
| $\mathbb{R}^2$                           | 0.004               | 0.002               | 0.001               | 0.0003              | 0.005               | 0.006               | 0.007               | 0.008               |
| Adjusted R <sup>2</sup>                  | 0.001               | -0.0004             | -0.001              | -0.002              | 0.003               | 0.005               | 0.005               | 0.007               |

This table represents OLS regressions:  $h_{S\&P500} = \Upsilon_0 + \sum_{t=1}^{4} \Upsilon_1 h_{j,t} + \vartheta_{j,t}$  that examines how conditional volatility of commodity impacts on the conditional volatility of equities during pre-financialisation and financialisation period. Standard errors  $\vartheta_{i,t}$  in parentheses.  $\Upsilon$ , h and MPLSWheat represent coefficient of commodity futures conditional volatility, conditional volatility, and Minneapolis wheat futures contract respectively. \*\*\*, \*\*, and \* denote statistical significance at 1%, 5%, and 10% level.

Table C.8: Regression Results

| _                             |                     |                     |                     | Dependent           | variable:           |                     |                     |                     |
|-------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
|                               |                     | pre                 | financialisati      | ion period          | financi             | alisation peri      | od                  |                     |
|                               | $h_{S\&P500}$       |
| $\Upsilon_1 h$ Soybean meal 1 | -0.033 (0.021)      |                     |                     |                     | 0.013<br>(0.016)    |                     |                     |                     |
| $\Upsilon_2 h$ Soybean meal 2 | ,                   | -0.055 $(0.039)$    |                     |                     | , ,                 | 0.061 $(0.044)$     |                     |                     |
| $\Upsilon_3 h$ Soybean meal 3 |                     | , ,                 | -0.073 $(0.047)$    |                     |                     | ,                   | 0.129*<br>(0.076)   |                     |
| $\Upsilon_4 h$ Soybean meal 4 |                     |                     | , ,                 | -0.066 $(0.041)$    |                     |                     | , ,                 | 0.128 $(0.079)$     |
| $\Upsilon_0$                  | -0.00001 $(0.0001)$ | -0.00001 $(0.0001)$ | -0.00001 $(0.0001)$ | -0.00001 $(0.0001)$ | -0.00001 $(0.0001)$ | -0.00000 $(0.0001)$ | -0.00000 $(0.0001)$ | -0.00000 $(0.0001)$ |
| Observations                  | 572                 | 572                 | 572                 | 572                 | 833                 | 833                 | 833                 | 833                 |
| $\mathbb{R}^2$                | 0.004               | 0.003               | 0.004               | 0.004               | 0.001               | 0.002               | 0.004               | 0.003               |
| Adjusted R <sup>2</sup>       | 0.003               | 0.002               | 0.002               | 0.003               | -0.0005             | 0.001               | 0.002               | 0.002               |

This table represents OLS regressions by:  $h_{S\&P500} = \Upsilon_0 + \sum_{t=1}^{4} \Upsilon_1 h_{j,t} + \vartheta_{j,t}$  that examines how conditional volatility of commodity impacts on the conditional volatility of equities during pre-financialisation and financialisation period. Standard errors  $\vartheta_{i,t}$  in parentheses.  $\Upsilon$ , h and Soybeanmeal represent coefficient of commodity futures conditional volatility, conditional volatility, and soybean meal futures contract respectively. \*\*\*,\*\*, and \* denote statistical significance at 1%, 5%, and 10% level.

Table C.9: Regression Results

|                                 |               |             | j             | Dependent va | riable:          |             |
|---------------------------------|---------------|-------------|---------------|--------------|------------------|-------------|
|                                 |               | pre fin     | ancialisation | period       | financialisation | n period    |
|                                 | $h_{\ SP500}$ | $h_{SP500}$ | $h_{SP500}$   | $h_{SP500}$  | $h_{SP500}$      | $h_{SP500}$ |
| $\Upsilon_1 h$ Rough rice 1     | -0.002        |             |               | 0.030        |                  |             |
| 9                               | (0.015)       |             |               | (0.037)      |                  |             |
| $\Upsilon_2 h_{Rough\ rice\ 2}$ | , ,           | 0.454**     |               | , ,          | 0.036            |             |
| <b>3</b>                        |               | (0.188)     |               |              | (0.044)          |             |
| Υ <sub>3</sub> h Rough rice 3   |               |             | 0.254         |              |                  | 0.046       |
| <b>3</b>                        |               |             | (0.243)       |              |                  | (0.048)     |
| $\Upsilon_0$                    | -0.00002      | -0.00002    | -0.00002      | -0.00001     | -0.00001         | -0.00001    |
|                                 | (0.0001)      | (0.0001)    | (0.0001)      | (0.0001)     | (0.0001)         | (0.0001)    |
| Observations                    | 481           | 481         | 481           | 833          | 833              | 833         |
| $\mathbb{R}^2$                  | 0.00005       | 0.012       | 0.002         | 0.001        | 0.001            | 0.001       |
| Adjusted R <sup>2</sup>         | -0.002        | 0.010       | 0.0002        | -0.0004      | -0.0004          | -0.0001     |

This table represents OLS regression:  $h_{S\&P500} = \Upsilon_0 + \sum_{t=1}^4 \Upsilon_1 h_{j,t} + \vartheta_{j,t}$  that examines how conditional volatility of commodity impacts on the conditional volatility of equities during prefinancialisation and financialisation period. Standard errors  $\vartheta_{i,t}$  in parentheses.  $\Upsilon$ , h and Roughricerepresent coefficient of commodity futures conditional volatility, conditional volatility, and rough rice futures contract respectively. \*\*\*, \*\* and \* denote statistical significance at 1%, 5%, and 10% level.

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Table C.10: Regression Results

|   |                     |                     |                     | Depend              | ent variable:       |                         |                     |                     |
|---|---------------------|---------------------|---------------------|---------------------|---------------------|-------------------------|---------------------|---------------------|
|   |                     |                     | pre financiali      | isation period      | finan               | cialisation perio       | d                   |                     |
|   | $h_{S\&P500}$       | $h_{S\&P500}$       | $h_{S\&P500}$       | $h_{S\&P500}$       | $h_{S\&P500}$       | $h_{S\&P500}$           | $h_{S\&P500}$       | $h_{S\&P500}$       |
| $\Upsilon_1 h$ Coffee 1                   | 0.015 $(0.010)$     |                     |                     |                     | 0.481***<br>(0.082) |                         |                     |                     |
| $\Upsilon_2 h$ Coffee 2                   | , ,                 | 0.011 $(0.010)$     |                     |                     | , ,                 | $0.450^{***}$ $(0.079)$ |                     |                     |
| $\Upsilon_3 h$ Coffee 3                   |                     | ,                   | 0.012 $(0.010)$     |                     |                     | ,                       | 0.404***<br>(0.073) |                     |
| $\Upsilon_4 h$ Coffee 4                   |                     |                     | ,                   | 0.014 $(0.011)$     |                     |                         | ,                   | 0.387***<br>(0.071) |
| $\Upsilon_0$                              | -0.00001 $(0.0001)$ | -0.00001 $(0.0001)$ | -0.00001 $(0.0001)$ | -0.00001 $(0.0001)$ | -0.00001 $(0.0001)$ | -0.00001 $(0.0001)$     | -0.00001 $(0.0001)$ | -0.00001 $(0.0001)$ |
| Observations                              | 572                 | 572                 | 572                 | 572                 | 833                 | 833                     | 833                 | 833                 |
| R <sup>2</sup><br>Adjusted R <sup>2</sup> | $0.004 \\ 0.002$    | $0.002 \\ 0.001$    | $0.003 \\ 0.001$    | $0.003 \\ 0.001$    | 0.039 $0.038$       | 0.037 $0.036$           | $0.036 \\ 0.034$    | 0.034 $0.033$       |

This table represents OLS regression:  $h_{S\&P500} = \Upsilon_0 + \sum_{t=1}^4 \Upsilon_1 h_{j,t} + \vartheta_{j,t}$  that examines how conditional volatility of commodity impacts on the conditional volatility of equities during prefinancialisation and financialisation period. Standard errors  $\vartheta_{i,t}$  in parentheses.  $\Upsilon$ , h and Coffee represent coefficient of commodity futures conditional volatility, conditional volatility, and coffee futures contract respectively. \*\*\*\*,\*\*\*, and \* denote statistical significance at 1%, 5%, and 10% level.

Appendix C. Online Appendix

Table C.11: Regression Results

|                          |               |               |               | Dependent va  | riable:            |               |
|--------------------------|---------------|---------------|---------------|---------------|--------------------|---------------|
|                          |               | pre fir       | ancialisation | period        | financialisation p | period        |
|                          | $h_{S\&P500}$ | $h_{S\&P500}$ | $h_{S\&P500}$ | $h_{S\&P500}$ | $h_{S&P500}$       | $h_{S\&P500}$ |
| $\Upsilon_1 h_{Sugar 1}$ | 0.027         |               |               | 0.023         |                    |               |
|                          | (0.041)       |               |               | (0.029)       |                    |               |
| $\Upsilon_2 h_{Sugar 3}$ | , ,           | 0.007         |               | , ,           | 0.121***           |               |
|                          |               | (0.047)       |               |               | (0.033)            |               |
| $\Upsilon_3 h_{Sugar_4}$ |               | , ,           | 0.055         |               | , ,                | 0.096***      |
|                          |               |               | (0.073)       |               |                    | (0.033)       |
| $\Upsilon_0$             | -0.00001      | -0.00001      | -0.00001      | -0.00001      | -0.00001           | -0.00001      |
|                          | (0.0001)      | (0.0001)      | (0.0001)      | (0.0001)      | (0.0001)           | (0.0001)      |
| Observations             | 572           | 572           | 572           | 833           | 833                | 833           |
| $\mathbb{R}^2$           | 0.001         | 0.00004       | 0.001         | 0.001         | 0.016              | 0.010         |
| Adjusted R <sup>2</sup>  | -0.001        | -0.002        | -0.001        | -0.0004       | 0.015              | 0.009         |

This table represents OLS regression:  $h_{S\&P500} = \Upsilon_0 + \sum_{t=1}^4 \Upsilon_1 h_{j,t} + \vartheta_{j,t}$  that examines how conditional volatility of commodity impacts on the conditional volatility of equities during pre-Note:financialisation and financialisation period. Standard errors  $\vartheta_{i,t}$  in parentheses.  $\Upsilon$ , h and Sugarrepresent coefficient of commodity futures conditional volatility, conditional volatility, and sugar futures contract respectively. \*\*\*,\*\*\*, and \* denote statistical significance at 1%, 5%, and 10% level.

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Table C.12: Regression Results

|                                |                     |                     |                     | Dependent           | variable:           |                     |                     |                     |
|--------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
|                                |                     | pre                 | financialisati      | on period           | financia            | od                  |                     |                     |
|                                | $h_{S\&P500}$       |
| $\Upsilon_1 h$ Cocoa 1         | -0.034 (0.036)      |                     |                     |                     | 0.068 $(0.069)$     |                     |                     |                     |
| $\Upsilon_2 h$ $_{Cocoa~2}$    | (0.000)             | -0.037 $(0.037)$    |                     |                     | (0.000)             | 0.084 $(0.072)$     |                     |                     |
| $\Upsilon_3 h$ $_{Cocoa~3}$    |                     | (0.001)             | -0.037 $(0.040)$    |                     |                     | (0.012)             | 0.082 $(0.073)$     |                     |
| $\Upsilon_4 h$ $_{Cocoa}$ $_4$ |                     |                     | (0.040)             | -0.049 $(0.042)$    |                     |                     | (0.010)             | 0.085 $(0.071)$     |
| $\Upsilon_0$                   | -0.00001 $(0.0001)$ | -0.00001 $(0.0001)$ | -0.00001 $(0.0001)$ | -0.00001 $(0.0001)$ | -0.00001 $(0.0001)$ | -0.00000 $(0.0001)$ | -0.00001 $(0.0001)$ | -0.00001 $(0.0001)$ |
| Observations                   | 572                 | 572                 | 572                 | 572                 | 833                 | 833                 | 833                 | 833                 |
| $\mathbb{R}^2$                 | 0.002               | 0.002               | 0.002               | 0.002               | 0.001               | 0.002               | 0.002               | 0.002               |
| Adjusted R <sup>2</sup>        | -0.0002             | 0.00003             | -0.0002             | 0.001               | -0.00004            | 0.0005              | 0.0003              | 0.001               |

Note: This table represents OLS regression:  $h_{S\&P500} = \Upsilon_0 + \sum_{t=1}^4 \Upsilon_1 h_{j,t} + \vartheta_{j,t}$  that examines how conditional volatility of commodity impacts on the conditional volatility of equities during prefinancialisation and financialisation period. Standard errors  $\vartheta_{i,t}$  in parentheses.  $\Upsilon$ , h, and Cocoa represent coefficient of commodity futures conditional volatility, conditional volatility, and cocoa futures contract respectively. \*\*\*\*,\*\*\*, and \* denote statistical significance at 1%, 5%, and 10% level.

Table C.13: Regression Results

|                                      |                     |                     |                     | Depend              | ent variable:       |                     |                     |                     |  |
|--------------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|--|
|                                      |                     |                     | pre financiali      | isation period      | financ              | cialisation perio   | od                  |                     |  |
|                                      | $h_{S\&P500}$       |  |
| $\Upsilon_1 h$ Cotton 1              | -0.001 (0.028)      |                     |                     |                     | 0.048***<br>(0.018) |                     |                     |                     |  |
| $\Upsilon_2 h$ Cotton 2              | ,                   | 0.025 $(0.033)$     |                     |                     | , ,                 | 0.121***<br>(0.027) |                     |                     |  |
| Υ <sub>3</sub> h <sub>Cotton 3</sub> |                     | ,                   | 0.032 $(0.036)$     |                     |                     | , ,                 | 0.129***<br>(0.027) |                     |  |
| $\Upsilon_4 h$ Cotton 4              |                     |                     | , ,                 | -0.011 (0.036)      |                     |                     | ` ,                 | 0.104** $(0.021)$   |  |
| $\Upsilon_0$                         | -0.00001 $(0.0001)$ | -0.00001 $(0.0001)$ | -0.00001 $(0.0001)$ | -0.00001 $(0.0001)$ | -0.00001 $(0.0001)$ | -0.00001 $(0.0001)$ | -0.00001 $(0.0001)$ | -0.00001 $(0.0001)$ |  |
| Observations                         | 572                 | 572                 | 572                 | 572                 | 833                 | 833                 | 833                 | 833                 |  |
| $\mathbb{R}^2$                       | 0.00000             | 0.001               | 0.001               | 0.0002              | 0.009               | 0.024               | 0.026               | 0.029               |  |
| Adjusted R <sup>2</sup>              | -0.002              | -0.001              | -0.0004             | -0.002              | 0.007               | 0.022               | 0.025               | 0.028               |  |

This table represents OLS regression:  $h_{S\&P500} = \Upsilon_0 + \sum_{t=1}^{4} \Upsilon_1 h_{j,t} + \vartheta_{j,t}$  that examines how conditional volatility of commodity impacts on the conditional volatility of equities during pre-Note:financialisation and financialisation period. Standard errors  $\vartheta_{i,t}$  in parentheses.  $\Upsilon$ , h, and Cottonrepresent coefficient of commodity futures conditional volatility, conditional volatility, and cotton futures contract respectively. \*\*\*, \*\*, and \* denote statistical significance at 1%, 5%, and 10% level.

Table C.14: Regression Results

| _                             |                     |                     |                     | Dependent           | t variable:             |                     |                     |                     |
|-------------------------------|---------------------|---------------------|---------------------|---------------------|-------------------------|---------------------|---------------------|---------------------|
|                               |                     | pre                 | financialisati      | on period           | financialisation period |                     |                     |                     |
|                               | $h_{S\&P500}$       | $h_{S\&P500}$       | $h_{S\&P500}$       | $h_{S\&P500}$       | $h_{S\&P500}$           | $h_{S\&P500}$       | $h_{S\&P500}$       | $h_{S\&P500}$       |
| $\Upsilon_1 h$ Orange juice 2 | 0.032 $(0.095)$     |                     |                     |                     | $0.069^*$ $(0.039)$     |                     |                     |                     |
| $\Upsilon_2 h$ Orange juice 3 | ,                   | 0.063 $(0.089)$     |                     |                     | ,                       | $0.070^*$ $(0.041)$ |                     |                     |
| $\Upsilon_3 h$ Orange juice 4 |                     | , ,                 | -0.004 $(0.094)$    |                     |                         | ,                   | 0.072 $(0.046)$     |                     |
| $\Upsilon_4 h$ Orange juice 5 |                     |                     | ,                   | -0.008 $(0.090)$    |                         |                     | ,                   | 0.076* $(0.045)$    |
| $\Upsilon_0$                  | -0.00001 $(0.0001)$ | -0.00001 $(0.0001)$ | -0.00001 $(0.0001)$ | -0.00001 $(0.0001)$ | -0.00001 $(0.0001)$     | -0.00001 $(0.0001)$ | -0.00001 $(0.0001)$ | -0.00001 $(0.0001)$ |
| Observations                  | 572                 | 572                 | 572                 | 572                 | 833                     | 833                 | 833                 | 833                 |
| $\mathbb{R}^2$                | 0.0002              | 0.001               | 0.00000             | 0.00001             | 0.004                   | 0.004               | 0.003               | 0.003               |
| Adjusted R <sup>2</sup>       | -0.002              | -0.001              | -0.002              | -0.002              | 0.003                   | 0.002               | 0.002               | 0.002               |

This table represents OLS regression:  $h_{S\&P500} = \Upsilon_0 + \sum_{t=1}^4 \Upsilon_1 h_{j,t} + \vartheta_{j,t}$  that examines how conditional volatility of commodity impacts on the conditional volatility of equities during prefinancialisation and financialisation period. Standard errors  $\vartheta_{i,t}$  in parentheses.  $\Upsilon$ , h, and Orangejuice represent coefficient of commodity futures conditional volatility, conditional volatility, and orange juice futures contract respectively. \*\*\*,\*\*, and \* denote statistical significance at 1%, 5%, and 10% level.

Online Appendix

Table C.15: Regression Results

| _                          |               |               | Dependent            | variable:               |  |
|----------------------------|---------------|---------------|----------------------|-------------------------|--|
|                            |               | pre fin       | ancialisation period | financialisation period |  |
|                            | $h_{S\&P500}$ | $h_{S\&P500}$ | $h_{S\&P500}$        | $h_{S\&P500}$           |  |
| $\Upsilon_1 h_{Lumber 1}$  | 0.037         |               | 0.026                |                         |  |
|                            | (0.040)       |               | (0.034)              |                         |  |
| $\Upsilon_2 h_{Lumber\ 2}$ | ` ,           | 0.087         | ,                    | 0.157***                |  |
|                            |               | (0.055)       |                      | (0.043)                 |  |
| $\Upsilon_0$               | -0.00001      | -0.00001      | -0.00001             | -0.00001                |  |
|                            | (0.0001)      | (0.0001)      | (0.0001)             | (0.0001)                |  |
| Observations               | 572           | 572           | 833                  | 833                     |  |
| $\mathbb{R}^2$             | 0.001         | 0.004         | 0.001                | 0.016                   |  |
| Adjusted R <sup>2</sup>    | -0.0003       | 0.003         | -0.0005              | 0.014                   |  |

This table represent:  $h_{S\&P500} = \Upsilon_0 + \sum_{t=1}^4 \Upsilon_1 h_{j,t} + \vartheta_{j,t}$  that examines how conditional volatility of commodity impacts on the conditional volatility of equities during pre-financialisation and financialisation period. Standard errors  $\vartheta_{i,t}$  in parentheses.  $\Upsilon$ , h and Lumber represent coefficient of commodity futures conditional volatility, conditional volatility and lumber futures contract respectively. \*\*\*, \*\*, and \* denote statistical significance at 1%, 5%, and 10% level.

Table C.16: Regression Results

| _   |                     |                     |                     | $Dependent \ v$                           | ariable:                              |                    |                     |                     |
|---|---------------------|---------------------|---------------------|---|---------------------------------------|--------------------|---------------------|---------------------|
|   | $h_{~S\&P500}$      | $h_{S\&P500}$       | $h_{S\&P500}$       | pre financialisation period $h_{S\&P500}$ | financialisation period $h_{S\&P500}$ | $h_{~S\&P500}$     | $h_{~S\&P500}$      | $h_{S\&P500}$       |
| $\Upsilon_1 h$ Live cattle 1              | -0.095 $(0.091)$    |                     |                     |   | 0.107<br>(0.087)                      |                    |                     |                     |
| $\Upsilon_2 h$ Live cattle 2              | ,                   | -0.103 (0.093)      |                     |   | ,                                     | 0.164**<br>(0.079) |                     |                     |
| $\Upsilon_3 h$ Live cattle 3              |                     | ,                   | -0.073 (0.214)      |   |                                       | ,                  | 0.351***<br>(0.115) |                     |
| $\Upsilon_4 h$ Live cattle 4              |                     |                     | ,                   | 0.221 (0.323)                             |                                       |                    | ,                   | 0.561**<br>(0.171)  |
| $\Upsilon_0$                              | -0.00001 $(0.0001)$ | -0.00001 $(0.0001)$ | -0.00001 $(0.0001)$ | -0.00002<br>(0.0001)                      | -0.00001 $(0.0001)$                   |                    | -0.00001 $(0.0001)$ | -0.00001 $(0.0001)$ |
| Observations                              | 572                 | 572                 | 572                 | 572                                       | 833                                   | 833                | 833                 | 833                 |
| R <sup>2</sup><br>Adjusted R <sup>2</sup> | $0.002 \\ 0.0002$   | $0.002 \\ 0.0004$   | 0.0002<br>-0.002    | 0.001<br>-0.001                           | $0.002 \\ 0.001$                      | $0.005 \\ 0.004$   | $0.011 \\ 0.010$    | $0.013 \\ 0.012$    |

This table represent:  $h_{S\&P500} = \Upsilon_0 + \sum_{t=1}^4 \Upsilon_1 h_{j,t} + \vartheta_{j,t}$  that examines how conditional volatility of commodity impacts on the conditional volatility of equities during pre-financialisation and financialisation period. Standard errors  $\vartheta_{i,t}$  in parentheses.  $\Upsilon$ , h and Live cattle represent coefficient of commodity futures conditional volatility, conditional volatility, and live cattle futures contract respectively. \*\*\*,\*\*, and \* denote statistical significance at 1%, 5%, and 10% level.

Appendix C. Online Appendix

Table C.17: Regression Results

| _                              |                     |                     |                     | $Dependent \ v$             | ariable:                |                     |                     |                     |
|--------------------------------|---------------------|---------------------|---------------------|-----------------------------|-------------------------|---------------------|---------------------|---------------------|
|                                |                     |                     |                     | pre financialisation period | financialisation period |                     |                     |                     |
|                                | $h_{S\&P500}$       | $h_{S\&P500}$       | $h_{S&P500}$        | $h_{~S\&P500}$              | $h_{~S\&P500}$          | $h_{S\&P500}$       | $h_{S\&P500}$       | $h_{\ S\&P500}$     |
| $\Upsilon_1 h$ Feeder cattle 1 | -0.045 (0.088)      |                     |                     |                             | 0.036 $(0.047)$         |                     |                     |                     |
| $\Upsilon_2 h$ Feeder cattle 2 | , ,                 | -0.023 $(0.054)$    |                     |                             | ` ,                     | 0.083**<br>(0.041)  |                     |                     |
| $\Upsilon_3 h$ Feeder cattle 3 |                     | , ,                 | 0.002 $(0.070)$     |                             |                         |                     | 0.162***<br>(0.049) |                     |
| $\Upsilon_4 h$ Feeder cattle 4 |                     |                     | ` ,                 | -0.039 (0.084)              |                         |                     | , ,                 | 0.169**<br>(0.050)  |
| $\Upsilon_0$                   | -0.00001 $(0.0001)$ | -0.00001 $(0.0001)$ | -0.00001 $(0.0001)$ | -0.00001<br>(0.0001)        | -0.00001 $(0.0001)$     | -0.00001 $(0.0001)$ | -0.00001 $(0.0001)$ | -0.00001 $(0.0001)$ |
| Observations $\mathbb{R}^2$    | 572 $0.0005$        | 572 $0.0003$        | 572 $0.00000$       | 572 $0.0004$                | 833<br>0.001            | 833<br>0.005        | 833<br>0.013        | $833 \\ 0.014$      |
| Adjusted R <sup>2</sup>        | -0.001              | -0.001              | -0.002              | -0.001                      | -0.0005                 | 0.004               | 0.012               | 0.012               |

This table represent:  $h_{S\&P500} = \Upsilon_0 + \sum_{t=1}^4 \Upsilon_1 h_{j,t} + \vartheta_{j,t}$  that examines how conditional volatility of commodity impacts on the conditional volatility of equities during pre-financialisation and financialisation period. Standard errors  $\vartheta_{i,t}$  in parentheses.  $\Upsilon$ , h and Feeder cattle represent coefficient of commodity futures conditional volatility, conditional volatility, and feeder cattle futures contract respectively. \*\*\*,\*\*, and \* denote statistical significance at 1%, 5%, and 10% level.

Table C.18: Regression Results

| _                              |                     |                     |                     | Dependent                                 | variable:                             |                     |                     |                     |
|--------------------------------|---------------------|---------------------|---------------------|---|---------------------------------------|---------------------|---------------------|---------------------|
|                                | $h_{~S\&P500}$      | $h_{S\&P500}$       | $h_{~S\&P500}$      | pre financialisation period $h_{S\&P500}$ | financialisation period $h_{S\&P500}$ | $h_{~S\&P500}$      | $h_{~S\&P500}$      | $h_{~S\&P500}$      |
| $\Upsilon_1 h$ Heating oil 1   | 0.025<br>(0.016)    |                     |                     |   | 0.202***<br>(0.036)                   |                     |                     |                     |
| $\Upsilon_2 h$ Heating oil 2   | , ,                 | 0.181*<br>(0.105)   |                     |   | ` ,                                   | 0.219***<br>(0.037) |                     |                     |
| $\Upsilon_3 h$ Heating oil 3   |                     | , ,                 | $0.224^*$ (0.127)   |   |                                       | ,                   | 0.214***<br>(0.036) |                     |
| $\Upsilon_4 h$ Heating oil 4   |                     |                     | , ,                 | 0.238*<br>(0.129)                         |                                       |                     | , ,                 | 0.214***<br>(0.036) |
| $\Upsilon_0$                   | -0.00001 $(0.0001)$ | -0.00001 $(0.0001)$ | -0.00001 $(0.0001)$ | -0.00001 $(0.0001)$                       | -0.00000 $(0.0001)$                   | -0.00000 $(0.0001)$ | -0.00001 $(0.0001)$ | -0.00001 $(0.0001)$ |
| Observations<br>R <sup>2</sup> | 572 $0.004$         | 572 $0.005$         | $572 \\ 0.005$      | 572<br>0.006                              | 833<br>0.037                          | 833<br>0.041        | 833<br>0.040        | 833<br>0.041        |
| Adjusted R <sup>2</sup>        | 0.003               | 0.003               | 0.004               | 0.004                                     | 0.036                                 | 0.040               | 0.039               | 0.040               |

This table represent:  $h_{S\&P500} = \Upsilon_0 + \sum_{t=1}^4 \Upsilon_1 h_{j,t} + \vartheta_{j,t}$  that examines how conditional volatility of commodity impacts on the conditional volatility of equities during pre-financialisation and financialisation period. Standard errors  $\vartheta_{i,t}$  in parentheses.  $\Upsilon$ , h and Heatingoil represent coefficient of commodity futures conditional volatility, conditional volatility, and heating oil futures contract respectively. \*\*\*,\*\*, and \* denote statistical significance at 1%, 5%, and 10% level.

Table C.19: Regression Results

| _   |                     |                     |                     | $Dependent\ vo$             | riable:                 |                 |                     |                   |
|---|---------------------|---------------------|---------------------|-----------------------------|-------------------------|-----------------|---------------------|-------------------|
|   |                     |                     |                     | pre financialisation period | financialisation period |                 |                     |                   |
|   | $h_{S\&P500}$       | $h_{S\&P500}$       | $h_{S\&P500}$       | $h_{~S\&P500}$              | $h_{~S\&P500}$          | $h_{S\&P500}$   | $h_{S\&P500}$       | $h_{S&P500}$      |
| $\Upsilon_1 h$ Natural gas 1              | -0.023 (0.014)      |                     |                     |                             | 0.003<br>(0.010)        |                 |                     |                   |
| $\Upsilon_2 h$ Natural gas 2              | , ,                 | -0.042 (0.040)      |                     |                             | ,                       | 0.018 $(0.016)$ |                     |                   |
| Υ <sub>3</sub> h <sub>Natural gas 3</sub> |                     | , ,                 | -0.020 (0.041)      |                             |                         |                 | 0.013 $(0.015)$     |                   |
| $\Upsilon_4 h$ Natural gas 4              |                     |                     | , ,                 | -0.033 (0.043)              |                         |                 | , ,                 | 0.002 $(0.015)$   |
| $\Upsilon_0$                              | -0.00001 $(0.0001)$ | -0.00001 $(0.0001)$ | -0.00001 $(0.0001)$ | -0.00001 $(0.0001)$         | -0.0000 $(0.0001)$      |                 | -0.00001 $(0.0001)$ | -0.0000 $(0.0001$ |
| Observations $\mathbb{R}^2$               | $572 \\ 0.005$      | $572 \\ 0.002$      | 572 $0.0004$        | 572<br>0.001                | 833<br>0.0001           | $833 \\ 0.002$  | 833<br>0.001        | 833<br>0.00003    |
| Adjusted R <sup>2</sup>                   | 0.003               | 0.0001              | -0.001              | -0.001                      | -0.001                  | 0.0003          | -0.0003             | -0.001            |

This table represent:  $h_{S\&P500} = \Upsilon_0 + \sum_{t=1}^4 \Upsilon_1 h_{j,t} + \vartheta_{j,t}$  that examines how conditional volatility of commodity impacts on the conditional volatility of equities during pre-financialisation and financialisation period. Standard errors  $\vartheta_{i,t}$  in parentheses.  $\Upsilon$ , h and Naturalgas represent coefficient of commodity futures conditional volatility, conditional volatility, and natural gas futures contract respectively. \*\*\*,\*\*, and \* denote statistical significance at 1%, 5%, and 10% level.

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Table C.20: Regression Results

| _                        |                     |                     |                     | Dependent vo                | riable:                 |                  |                     |                     |
|--------------------------|---------------------|---------------------|---------------------|-----------------------------|-------------------------|------------------|---------------------|---------------------|
|                          |                     |                     |                     | pre financialisation period | financialisation period |                  |                     |                     |
|                          | $h_{S\&P500}$       | $h_{S\&P500}$       | $h_{S\&P500}$       | $h_{~S\&P500}$              | $h_{S\&P500}$           | $h_{S\&P500}$    | $h_{S\&P500}$       | $h_{S\&P500}$       |
| $\Upsilon_1 h$ Gold 1    | $0.006 \\ (0.060)$  |                     |                     |                             | 0.029<br>(0.059)        |                  |                     |                     |
| $\Upsilon_2 h$ Gold 2    |                     | 0.006 $(0.055)$     |                     |                             |                         | 0.043 $(0.054)$  |                     |                     |
| $\Upsilon_3 h_{Gold\ 3}$ |                     | ,                   | -0.002 $(0.054)$    |                             |                         | , ,              | 0.049 $(0.053)$     |                     |
| $\Upsilon_4 h$ Gold 4    |                     |                     | ,                   | 0.006<br>(0.040)            |                         |                  | ,                   | 0.044 $(0.055)$     |
| $\Upsilon_0$             | -0.00001 $(0.0001)$ | -0.00001 $(0.0001)$ | -0.00001 $(0.0001)$ | -0.00001 $(0.0001)$         | -0.0000<br>(0.0001      |                  | -0.00001 $(0.0001)$ | -0.00001 $(0.0001)$ |
| Observations             | 572                 | 572                 | 572                 | 572                         | 833                     | 833              | 833                 | 833                 |
| $R^2$<br>Adjusted $R^2$  | 0.00002 $-0.002$    | 0.00002 $-0.002$    | 0.00000<br>-0.002   | 0.00004<br>-0.002           | 0.0003<br>-0.001        | 0.001<br>-0.0004 | 0.001<br>-0.0002    | 0.001<br>-0.0004    |

This table represent:  $h_{S\&P500} = \Upsilon_0 + \sum_{t=1}^{4} \Upsilon_1 h_{j,t} + \vartheta_{j,t}$  that examines how conditional volatility of commodity impacts on the conditional volatility of equities during pre-financialisation and financialisation period. Standard errors  $\vartheta_{i,t}$  in parentheses.  $\Upsilon$ , h and Gold represent coefficient of commodity futures conditional volatility, conditional volatility, and gold futures contract respectively. \*\*\*,\*\*, and \* denote statistical significance at 1%, 5%, and 10% level.

Table C.21: Regression Results

| _                                    |               |               |               | Dependent                   | variable:               |               |               |               |
|--------------------------------------|---------------|---------------|---------------|-----------------------------|-------------------------|---------------|---------------|---------------|
|                                      |               |               |               | pre financialisation period | financialisation period |               |               |               |
|                                      | $h_{S\&P500}$ | $h_{S\&P500}$ | $h_{S\&P500}$ | $h_{~S\&P500}$              | $h_{~S\&P500}$          | $h_{S\&P500}$ | $h_{S\&P500}$ | $h_{S\&P500}$ |
| $\Upsilon_1 h_{Copper\ 1}$           | 0.126         |               |               |                             | 0.244***                |               |               |               |
| o opposition of                      | (0.257)       |               |               |                             | (0.040)                 |               |               |               |
| $\Upsilon_2 h_{Copper\ 2}$           | ,             | 0.054         |               |                             | · · ·                   | 0.201***      |               |               |
| • •                                  |               | (0.120)       |               |                             |                         | (0.037)       |               |               |
| Υ <sub>3</sub> h <sub>Copper 3</sub> |               |               | 0.050         |                             |                         |               | 0.218***      |               |
|                                      |               |               | (0.124)       |                             |                         |               | (0.039)       |               |
| $\Upsilon_4 h_{Copper~4}$            |               |               |               | 0.049                       |                         |               |               | 0.302**       |
|                                      |               |               |               | (0.114)                     |                         |               |               | (0.047)       |
| $\Upsilon_0$                         | -0.00001      | -0.00001      | -0.00001      | -0.00001                    | -0.00000                | -0.00000      | -0.00000      | -0.00000      |
|                                      | (0.0001)      | (0.0001)      | (0.0001)      | (0.0001)                    | (0.0001)                | (0.0001)      | (0.0001)      | (0.0001)      |
| Observations                         | 572           | 572           | 572           | 572                         | 833                     | 833           | 833           | 833           |
| $\mathbb{R}^2$                       | 0.0004        | 0.0004        | 0.0003        | 0.0003                      | 0.042                   | 0.034         | 0.036         | 0.048         |
| Adjusted R <sup>2</sup>              | -0.001        | -0.001        | -0.001        | -0.001                      | 0.041                   | 0.032         | 0.035         | 0.046         |

This table represent:  $h_{S\&P500} = \Upsilon_0 + \sum_{t=1}^{4} \Upsilon_1 h_{j,t} + \vartheta_{j,t}$  that examines how conditional volatility of commodity impacts on the conditional volatility of equities during pre-financialisation and financialisation period. Standard errors  $\vartheta_{i,t}$  in parentheses.  $\Upsilon$ , h and Copper represent coefficient of commodity futures conditional volatility, conditional volatility, and copper futures contract respectively. \*\*\*,\*\*, and \* denote statistical significance at 1%, 5%, and 10% level.