

## Supplement A

### Remote sensing scenes incorporated for the annual crop type classifications of the Rur catchment (2008-2015)

Table 1. Remote sensing scenes incorporated for the crop type classification of the Rur Catchment for 2008

order of acquisition	1	2	3	4
acquisition date	May, 5	June, 10	July, 15	September, 9
sensor	ASTER (VNIR)	IRS-P6	Landsat 7 ETM+	Landsat 5 TM

Table 2. Remote sensing scenes incorporated for the crop type classification of the Rur Catchment for 2009

order of acquisition	1	2	3	4	5	6
acquisition date	May, 24	June, 1	July, 27	August, 15/16	August, 31	September, 8
sensor	RapidEye	RapidEye	ASTER (VNIR)	RapidEye	RapidEye	RapidEye

Table 3. Remote sensing scenes incorporated for the crop type classification of the Rur Catchment for 2010

order of acquisition	1	2	3	4	5	6
acquisition date	May, 20	May, 23.	July, 7	July, 8	July, 10	August, 14
sensor	RapidEye	RapidEye	RapidEye	RapidEye	RapidEye	Landsat 5 TM

Table 4. Remote sensing scenes incorporated for the crop type classification of the Rur Catchment for 2011

order of acquisition	1	2	3	4
acquisition date	May, 21	May, 30	June, 27	August, 2
sensor	RapidEye	RapidEye	RapidEye	RapidEye

Table 5. Remote sensing scenes incorporated for the crop type classification of the Rur Catchment for 2012

order of acquisition	1	2	3	4	5
acquisition date	May, 14	May, 25	July, 23	August, 1	August, 18
sensor	ASTER (VNIR)	RapidEye	RapidEye	RapidEye	ASTER (VNIR)

Table 6. Remote sensing scenes incorporated for the crop type classification of the Rur Catchment for 2013

order of acquisition	1	2	3	4	5
acquisition date	April, 25	May, 19	June, 21	July, 21	September, 24
sensor	Landsat 8	ASTER (VNIR)	ASTER (VNIR)	Landsat 8	ASTER (VNIR)

Table 7. Remote sensing scenes incorporated for the crop type classification of the Rur Catchment for 2014

order of acquisition	1	2	3	4	5	6
acquisition date	March, 27.	May, 5	May, 20	June, 6	July, 24	October, 4
sensor	Landsat 8	Landsat 8	ASTER (VNIR)	Landsat 8	Landsat 8	Landsat 7 ETM+

Table 8. Remote sensing scenes incorporated for the crop type classification of the Rur Catchment for 2015

order of acquisition	1	2	3	4	5	6	7	8	9	10	11
acquisition date	April, 15	April, 23	May, 15	June, 4	July, 7	August, 1	August, 7	August, 20	September, 10	September, 29	October, 1
sensor	RapidEye	RapidEye	RapidEye	RapidEye	RapidEye	RapidEye	SPOT7	RapidEye	SPOT6	Landsat 8	RapidEye